

7/28/88

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Ohio Labor Market Information

Labor Market Review

May 1988

Summary. The seasonally adjusted unemployment rate in Ohio was 6.2 percent in May, about the same as the 6.3 percent in April. The national rate, at 5.6 percent in May, was up .2 percentage points from April. The number of unemployed workers in Ohio fell 6,000 from April, to 326,000 in May. Total employment declined 23,000, to 4,922,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio, at 4,674,000, was up 6,000 from April. (See page 3.)

Factory Employment. Ohio's manufacturing employment totaled 1,099,000 in May, unchanged from April. Both durable- and nondurable-goods employment remained at their April levels, 736,000 and 363,000, respectively.

Nonmanufacturing. An increase of 5,000 in services employment helped boost nonmanufacturing employment 7,000, to 3,575,000 in May. Retail trade added 2,000 jobs, while wholesale trade and finance, insurance, and real estate had employment gains of 1,000 each. Mining and transportation and public utilities were unchanged, while both construction and government employment declined 1,000.

Over the Year. Total employment in Ohio increased 38,000 from May 1987 to May 1988. There were 67,000 fewer jobless workers, lowering the unemployment rate from 7.4 percent in May 1987 to 6.2 percent in May 1988. The U.S. rate also declined during the period, from 6.3 percent to 5.6 percent. Nonfarm payroll employment rose 113,000 from May 1987. The largest gains were in services (+45,000), retail trade (+26,000), and construction (+16,000). With the exception of mining, which declined 1,000, all other nonmanufacturing divisions had increased employment over the year. Manufacturing employment advanced 5,000 from May 1987, due to growth in nondurable-goods industries.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries earned an average of \$519.70 per week in May, up \$2.84 from April. Their average workweek increased .2 hours, to 43.2 hours. Most industries had relatively minor changes in earnings. The largest increases were in motor vehicles and equipment, aircraft and parts, and blast furnace and basic steel products.

Benefits and Costs. There were 37,844 initial claims filed under the Ohio Unemployment Compensation Law in May, down 1.4 percent from April, and down 14.1 percent from May 1987. The average weekly payment dropped \$1.09 to \$154.62. Total benefits paid, at \$41.7 million, were down 27.0 percent from April. The average number of weekly benefit recipients totaled 68,929, down 22.7 percent. At the end of May, there were 200,354 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services helped 35,542 new job applicants in May, up 2.9 percent from April, but down 2.3 percent from May 1987. There was a 14.2 percent increase in the number of job openings received from April to May. The Employment Services Division made 27,693 job referrals and 6,165 placements.

Ohio has become a Wage Recording State

Ohio's system of payroll reporting is changing significantly as a result of congressional action taken in 1984. The Social Security Act was amended to require states to establish a system to crossmatch income eligibility data and to collect individual employee wage data from their employers. In Ohio, the Unemployment Compensation Law was changed to meet the congressional mandate and, simultaneously, to convert from a wage request system to a wage reporting system for unemployment compensation purposes. Under this system, OBES will collect wage data for all employees on a quarterly basis instead of requesting wage information when an application for benefits is filed.

Some of the benefits of the Wage Record System are:

- * streamlining of the claims processing procedure;
- * revealing of unreported employment; and
- * reduction in the number of UC appeals.

For more information about the Wage Record System, contact OBES on the Wage Record Hotline (1-800-654-8098).

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**Seasonally Adjusted Civilian Labor Force
& Nonagricultural Wage & Salary Employment
Estimates for Ohio^a**

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	May 1988	Apr. 1988	May 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,248	5,277	5,277	-29	-29	-0.5	-0.5
Employment	4,922	4,945	4,884	-23	38	-0.5	0.8
Unemployment	326	332	393	-6	-67	-1.8	-17.0
Unemployment Rate	6.2	6.3	7.4				
Employer Survey Data^e							
Total	4,674	4,667	4,560	6	113	0.1	2.5
Manufacturing	1,099	1,099	1,094	0	5	-0.0	0.5
Durable Goods	736	736	736	0	0	-0.0	-0.0
Nondurable Goods	363	363	357	0	6	-0.1	1.6
Nonmanufacturing	3,575	3,568	3,467	7	108	0.2	3.1
Mining	20	20	21	0	-1	-0.5	-3.8
Construction	190	191	174	-1	16	-0.5	9.1
Transportation and Public Utilities	209	209	207	0	2	0.1	1.1
Wholesale Trade	255	254	248	1	7	0.3	2.8
Retail Trade	870	868	844	2	26	0.2	3.0
Finance, Insurance, and Real Estate	250	250	242	1	8	0.2	3.5
Services	1,089	1,084	1,044	5	45	0.5	4.3
Government	692	693	687	-1	5	-0.1	0.7
Goods Producing Industries ^f	1,309	1,311	1,289	-1	20	-0.1	1.6
Service Producing Industries ^g	3,365	3,357	3,272	8	93	0.2	2.8

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. ^bChanges are computed from unrounded numbers. ^cPercentages are computed from unrounded numbers. ^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. ^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. ^fIncludes Mining, Construction, and Manufacturing. ^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
5,180	4,773	407	7.9	7.2
5,197	4,746	451	8.7	7.1
5,200	4,777	423	8.1	7.0
5,194	4,773	421	8.1	6.9
5,174	4,737	437	8.4	7.0
5,230	4,813	417	8.0	6.9
5,265	4,868	397	7.5	6.9
5,275	4,854	421	8.0	6.7
5,276	4,849	427	8.1	6.7
5,295	4,850	445	8.4	6.6
5,237	4,838	399	7.6	6.5
5,236	4,854	382	7.3	6.3
5,277	4,884	393	7.4	6.3
5,251	4,874	377	7.2	6.1
5,252	4,886	366	7.0	6.0
5,234	4,873	361	6.9	6.0
5,181	4,891	290	5.6	5.9
5,215	4,900	315	6.0	6.0
5,263	4,945	318	6.0	5.9
5,264	4,937	327	6.2	5.8
5,330	4,983	347	6.5	5.8
5,355	5,013	342	6.4	5.7
5,369	4,958	411	7.7	5.6
5,277	4,945	332	6.3	5.4
5,248	4,922	326	6.2	5.6

Ohio Nonagricultural Wage & Salary Employment (in thousands)

Total Nonagricultural			
	Manufacturing		
	Durable	Nondurable	
1986			
May	4,463	1,112	755
June	4,464	1,112	755
July	4,472	1,108	751
August	4,481	1,107	750
September	4,484	1,098	742
October	4,495	1,098	740
November	4,509	1,102	744
December	4,521	1,103	745
1987			
January	4,532	1,096	740
February	4,549	1,099	742
March	4,552	1,093	737
April	4,552	1,096	738
May	4,560	1,094	736
June	4,568	1,092	735
July	4,567	1,082	725
August	4,589	1,095	734
September	4,597	1,097	737
October	4,610	1,097	736
November	4,626	1,100	738
December	4,639	1,103	739
1988			
January	4,654	1,104	739
February	4,665	1,102	737
March	4,667	1,096	732
April	4,667	1,099	736
May	4,674	1,099	736

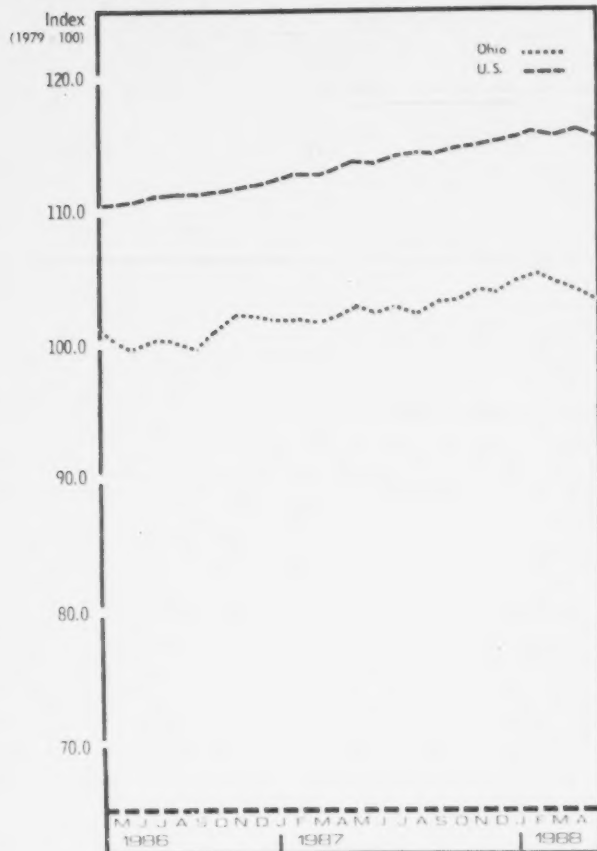
Ohio Nonmanufacturing Wage & Salary Employment (in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,351	23	161	203	244	815	231	996	679
3,352	22	160	198	244	818	232	998	679
3,364	22	160	204	244	820	233	1006	676
3,374	22	161	204	244	823	234	1009	678
3,385	21	161	204	244	825	235	1012	683
3,397	22	163	205	244	827	237	1017	683
3,406	22	164	206	244	828	238	1023	682
3,418	22	166	206	244	830	239	1028	684
3,436	22	173	206	245	836	239	1029	686
3,451	22	174	206	246	842	240	1035	686
3,459	21	175	206	246	845	241	1038	687
3,457	21	173	206	247	841	241	1040	687
3,467	21	174	207	248	844	242	1044	687
3,476	21	175	207	248	845	243	1049	688
3,484	21	176	207	249	847	244	1054	686
3,494	21	177	207	250	850	245	1057	688
3,500	21	178	207	251	852	245	1060	686
3,514	20	180	208	251	855	246	1064	690
3,526	20	182	207	252	857	246	1069	692
3,536	20	185	208	253	859	247	1072	693
3,550	20	191	208	253	864	248	1075	689
3,563	20	192	207	254	869	249	1079	692
3,572	20	192	208	254	870	249	1084	694
3,568	20	191	209	254	868	250	1084	693
3,575	20	190	209	255	870	250	1089	692

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

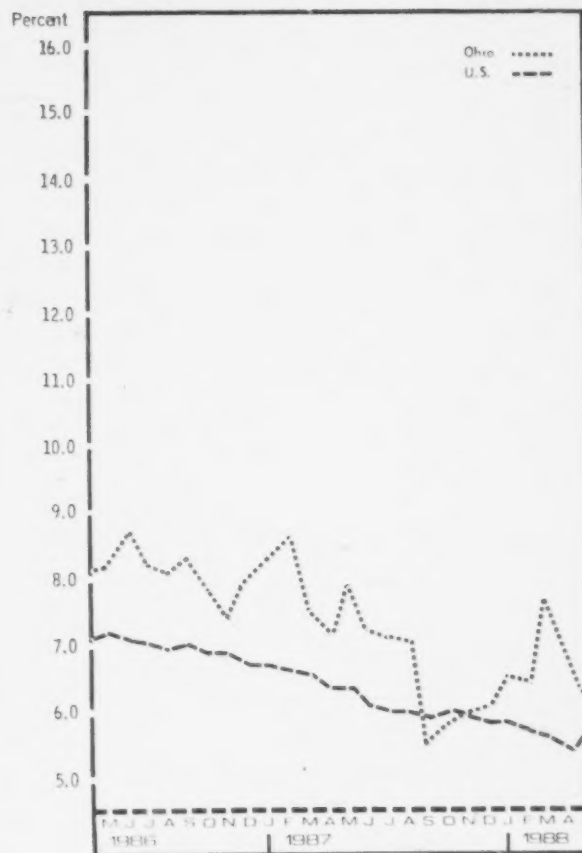
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.

(Seasonally Adjusted)



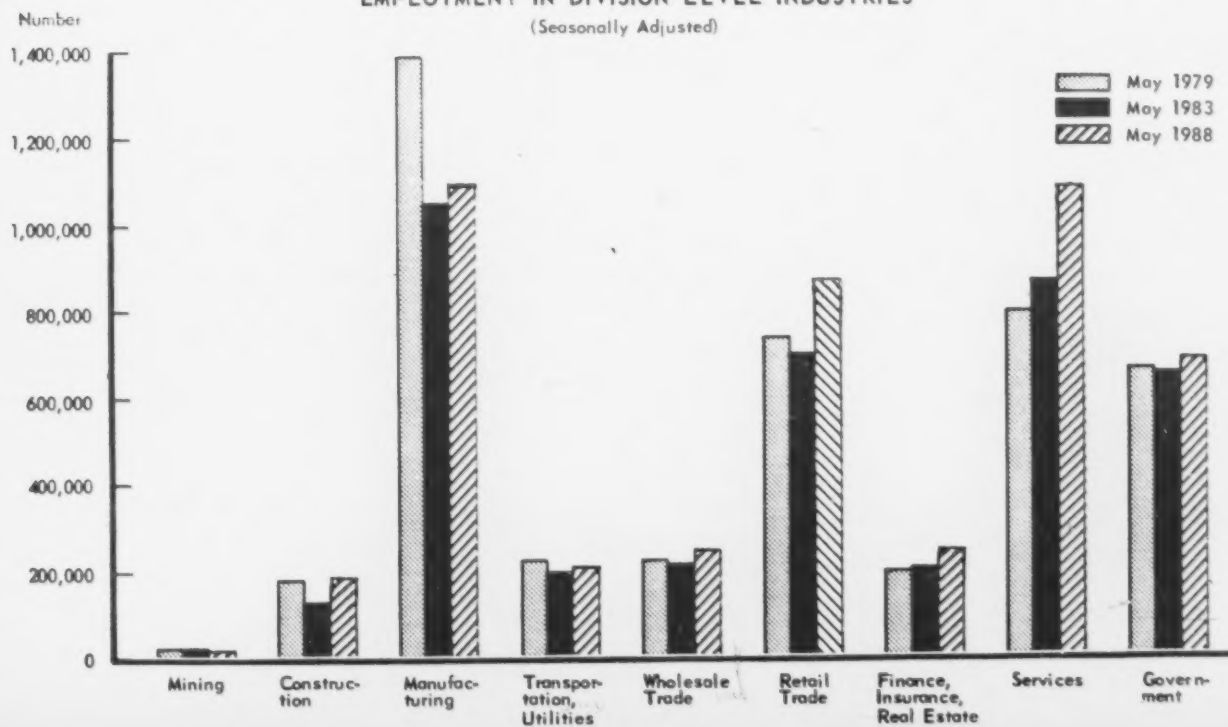
UNEMPLOYMENT RATES
OHIO AND U.S.

(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Total	Civilian Labor Force		Unemployment Rate	
	Employed	Unemployed	Ohio	U.S.
4,833	4,520	312	6.5	7.1
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,231	4,806	425	8.1	7.0
5,248	4,881	367	7.0	6.2
5,275	4,903	372	7.1	6.1
5,307	4,922	385	7.3	6.3
5,341	4,982	359	6.7	6.1
5,289	4,924	365	6.9	5.8
5,190	4,903	288	5.5	5.7
5,243	4,940	302	5.8	5.7
5,285	4,980	305	5.8	5.6
5,259	4,937	322	6.1	5.4
5,258	4,883	375	7.1	6.3
5,279	4,905	374	7.1	6.2
5,295	4,879	416	7.9	5.9
5,257	4,941	316	6.0	5.3
5,243	4,941	302	5.8	5.4

Ohio Nonagricultural Wage & Salary Employment (in thousands)

	Total Nonagricultural			
	Manufacturing		Durable	Nondurable
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,578.9	1,095.3	736.4	358.9
1987				
May	4,591.6	1,094.9	738.7	356.2
June	4,611.6	1,097.6	739.1	358.5
July	4,572.3	1,084.3	725.5	358.8
August	4,591.0	1,097.5	733.6	363.9
September	4,641.3	1,108.3	742.1	366.2
October	4,658.8	1,099.8	736.4	363.4
November	4,674.2	1,103.7	740.2	363.6
December	4,676.9	1,102.9	738.6	364.3
1988				
January	4,565.8	1,094.5	732.6	361.9
February	4,568.8	1,092.4	732.3	360.1
March	4,595.8	1,088.8	729.0	359.7
April	4,653.9	1,097.7	737.1	360.6
May	4,705.8	1,100.3	738.5	361.8

Ohio Nonmanufacturing Wage & Salary Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	847.7	243.1	1,051.2	688.1
3,496.7	20.7	175.4	207.0	248.2	845.8	241.8	1,053.7	704.2
3,514.0	21.1	184.4	208.5	250.4	851.5	244.7	1,065.9	687.5
3,488.0	21.1	192.7	208.6	250.6	852.8	246.8	1,068.2	647.1
3,493.5	21.1	196.8	209.1	251.1	858.1	247.2	1,068.6	641.4
3,533.0	21.4	196.4	209.3	251.2	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	887.8	246.7	1,064.7	708.9
3,471.3	20.1	163.5	203.3	250.0	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	857.3	248.6	1,085.1	705.8
3,605.5	19.9	191.3	209.4	255.3	871.3	250.2	1,099.0	709.1

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio^a

Manufacturing Employment

(in thousands)

Production Workers

in Manufacturing

Manufacturing				Production Workers	Aggregate Weekly Payroll	Aggregate Weekly Hours
	Durable Goods	Nondurable Goods		(in thous.)	(in millions)	(in millions)
1,344.1	945.2	398.9	1977	958.0	\$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
1987						
1,094.9	738.7	356.2	May	747.3	371.9	31.8
1,097.6	739.1	358.5	June	748.3	373.0	31.9
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
1988						
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,097.7	737.1	360.6	April	752.3	388.8	32.4
1,100.3	738.5	361.8	May	754.8	392.3	32.6

Production Workers Average Weekly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
\$283.08	\$292.02	\$258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
1987			
497.68	517.45	450.78	May
498.42	517.37	453.95	June
485.20	501.76	450.02	July
492.37	510.00	453.36	August
500.12	516.67	461.92	September
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
1988			
507.61	527.11	464.45	January
502.86	525.16	454.27	February
508.56	530.56	460.74	March
516.86	538.22	465.89	April
519.70	544.07	462.84	May

Production Workers Average Weekly Hours

Manufacturing			
	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
1987			
42.5	42.8	41.7	May
42.6	42.9	41.8	June
41.9	42.2	41.4	July
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
1988			
42.8	43.1	42.3	January
42.4	42.8	41.6	February
42.7	43.1	42.0	March
43.0	43.3	42.2	April
43.2	43.7	42.0	May

Production Workers Average Hourly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
\$6.74	\$6.92	\$6.24	1977
7.29	7.49	6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
1987			
11.71	12.09	10.81	May
11.70	12.06	10.86	June
11.58	11.89	10.87	July
11.64	12.00	10.82	August
11.74	12.10	10.92	September
11.76	12.13	10.90	October
11.84	12.22	10.96	November
11.84	12.21	10.99	December
1988			
11.86	12.23	10.98	January
11.86	12.27	10.92	February
11.91	12.31	10.97	March
12.02	12.43	11.04	April
12.03	12.45	11.02	May

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment

(in thousands)

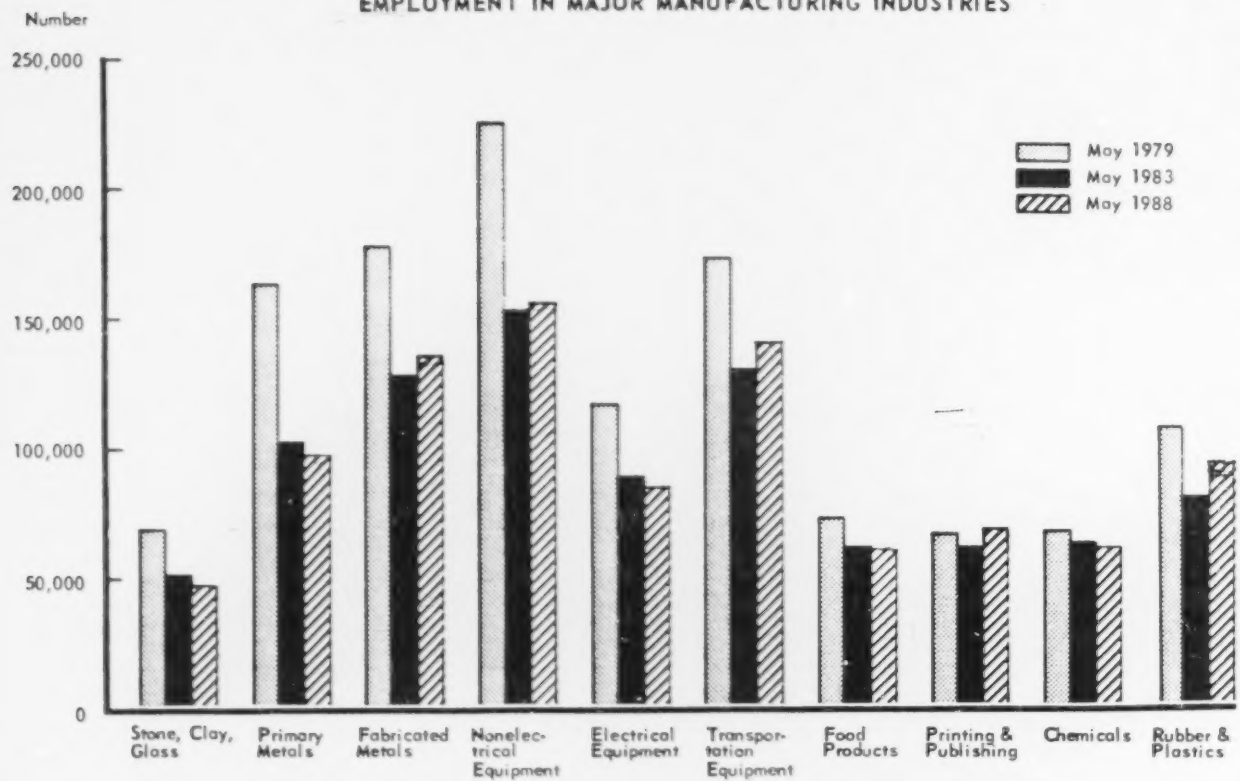
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.1	94.3	133.2	May	155.0	85.9	151.8	May	62.2	69.7	92.1
48.7	95.0	134.4	June	155.7	85.8	148.5	June	62.9	69.8	92.5
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.5	99.0	134.8	May	155.6	85.5	141.3	May	62.6	70.6	94.5

Average Weekly Earnings of Production Workers

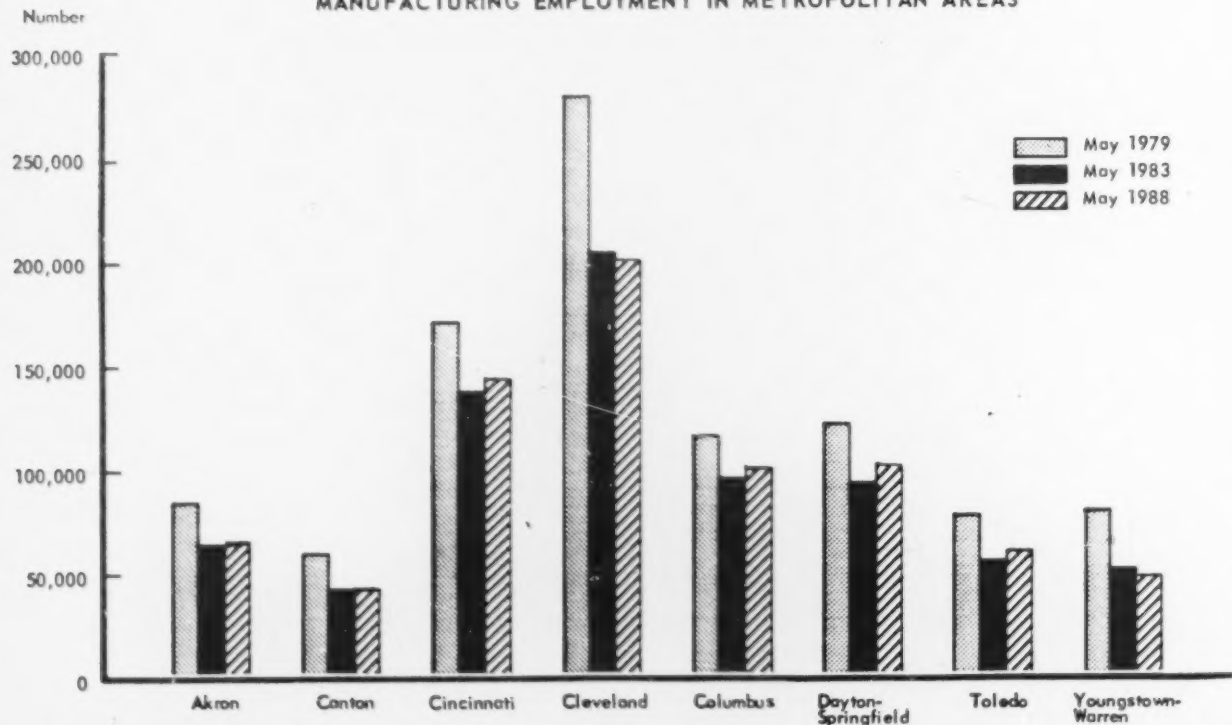
\$253.95	\$329.54	\$290.44	1977	\$279.18	\$248.44	\$359.20	1977	\$258.54	\$271.96	\$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.07	634.75	521.86	May	527.79	469.66	686.74	May	441.79	443.35	449.35

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	4705.8	4653.9	4591.6	51.9	114.3
MANUFACTURING	1100.3	1097.7	1094.9	2.6	5.4
Durable Goods ^e	738.5	737.1	738.7	1.5	-.1
Lumber and wood products	21.5	21.1	19.6	.5	1.9
Furniture and fixtures	14.3	14.2	14.2	.1	.1
Stone, clay, and glass products	48.5	47.8	48.1	.7	.4
Glass and glassware, pressed or blown	9.7	9.6	10.1	.1	-.4
Primary metal industries	99.0	98.3	94.3	.7	4.7
Blast furnace and basic steel products	45.3	45.1	42.6	.2	2.7
Iron and steel foundries	21.0	20.5	19.5	.5	1.5
Nonferrous rolling and drawing	17.6	17.5	16.8	.1	.8
Fabricated metal products	134.8	134.2	133.2	.6	1.6
Cutlery, hand tools, and hardware	9.9	9.8	9.5	.1	.3
Fabricated structural metal products ..	28.4	28.4	29.4	.1	-.9
Metal forgings and stampings	42.7	42.6	42.8	.1	-.1
Machinery, except electrical	155.6	156.2	155.0	-.7	.6
Construction and related machinery ...	12.5	12.5	12.4	.0	.1
Metalworking machinery	39.6	39.7	40.0	-.1	-.4
Special industry machinery	17.1	16.9	16.5	.2	.6
General industrial machinery	27.7	27.8	27.7	.0	.1
Office and computing machines	13.3	13.6	13.5	-.2	-.2
Refrigeration and service machinery ..	15.7	16.1	16.3	-.4	-.6
Electric and electronic equipment	85.5	85.2	85.9	.3	-.4
Electrical industrial apparatus	16.6	16.4	15.8	.2	.9
Household appliances	15.4	15.2	16.3	.2	-.9
Electric lighting and wiring equipment ..	16.9	16.9	17.0	.0	-.1
Communication equipment	10.0	9.9	10.2	.1	-.2
Transportation equipment	141.3	142.0	151.8	-.7	10.4
Motor vehicles and equipment	92.6	92.7	96.8	.0	4.1
Aircraft and parts	39.5	39.9	45.5	-.4	6.0
Instruments and related products	23.4	23.5	22.7	-.1	.7
Measuring and controlling devices	12.8	12.9	12.6	-.1	.2
Nondurable Goods^f	361.8	360.6	356.2	1.2	5.6
Food and kindred products	62.6	62.1	62.2	.5	.4
Meat products	9.2	9.2	9.4	.0	-.2
Dairy products	10.8	10.7	10.2	.0	.6
Preserved fruits and vegetables	10.4	10.3	10.3	.1	.1
Bakery products	9.0	9.0	9.0	.0	.0
Beverages	9.3	9.3	9.4	.1	-.1
Apparel and other textile products	16.6	16.4	15.8	.2	.8
Paper and allied products	37.6	37.6	36.6	.0	1.0
Misc. converted paper products	12.2	12.2	11.7	.0	.5
Paperboard containers and boxes	13.2	13.2	12.6	.0	.6
Printing and publishing	70.6	70.7	69.7	-.2	.9
Newspapers	19.1	19.1	19.2	.0	-.1
Commercial printing	26.1	26.3	26.1	-.1	.0
Chemicals and allied products	63.3	63.3	63.0	.0	.3
Industrial inorganic chemicals	9.3	9.3	9.3	.0	-.1
Rubber and misc. plastics products	94.5	94.1	92.1	.4	2.4
Tires and inner tubes	17.0	17.0	17.1	.0	-.1
Miscellaneous plastics products	56.6	56.4	54.6	.2	2.0

See footnotes on page 13.

Ohio (continued)

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
NONMANUFACTURING	3605.5	3556.2	3496.7	49.3	108.9
MINING	19.9	19.8	20.7	.1	-.8
Bituminous coal and lignite mining	8.5	8.5	9.2	.0	-.8
Oil and gas extraction	6.6	6.5	6.7	.1	-.2
CONSTRUCTION	191.3	179.1	175.4	12.2	15.9
General building contractors	48.1	45.5	43.7	2.6	4.4
Heavy construction contractors	26.7	22.4	24.3	4.2	2.4
Highway and street construction	12.4	9.5	10.6	2.9	1.8
Special trade contractors	116.6	111.2	107.4	5.3	9.2
TRANSPORTATION AND PUBLIC UTILITIES	209.4	207.2	207.0	2.2	2.4
Railroad transportation	13.5	13.2	14.4	.3	-.9
Transportation, except railroads	106.7	105.1	103.5	1.7	3.3
Trucking and warehousing	73.5	72.4	71.6	1.0	1.9
Communication, electric, gas services ..	89.2	88.9	89.1	.2	.0
Communication	47.6	47.4	47.2	.2	.3
Electric, gas, and sanitary services ..	41.6	41.5	41.9	.1	-.3
WHOLESALE TRADE	255.3	253.4	248.2	2.0	7.2
Wholesale trade-durable goods	160.1	159.0	156.1	1.1	4.1
Motor vehicles & automotive equipment ..	22.3	22.1	21.7	.2	.5
Electrical goods	19.6	19.5	19.3	.1	.3
Machinery, equipment, and supplies ...	68.5	68.2	66.9	.3	1.6
Wholesale trade-nondurable goods	95.2	94.3	92.1	.9	3.1
Groceries and related products	29.7	29.4	28.6	.3	1.1
RETAIL TRADE	871.3	857.3	845.8	14.1	25.6
General merchandise stores	116.2	115.5	115.4	.7	.8
Department stores	100.9	100.5	100.8	.3	.1
Food stores	132.9	131.6	130.6	1.3	2.4
Automotive dealers & service stations ..	96.0	95.2	92.5	.8	3.5
Apparel and accessory stores	42.9	42.5	40.8	.4	2.0
Eating and drinking places	310.5	302.7	302.1	7.9	8.4
FINANCE, INSURANCE, AND REAL ESTATE	250.2	248.6	241.8	1.6	8.4
Banking	63.9	63.7	62.7	.2	1.3
Credit agencies other than banks	38.3	38.1	37.1	.2	1.1
Insurance carriers	69.2	69.1	67.6	.1	1.6
Life insurance	25.8	25.7	25.8	.1	.0
Fire, marine, and casualty insurance ..	30.7	30.7	29.7	.0	1.0
SERVICES	1099.0	1085.1	1053.7	13.9	45.3
Hotels and other lodging places	35.6	34.3	34.7	1.4	.9
Personal services	58.3	60.1	55.8	1.9	2.5
Laundry, cleaning, & garment services ..	19.2	19.1	18.8	.2	.5
Business services	221.1	218.2	206.6	2.9	14.5
Services to buildings	31.3	30.9	29.4	.4	1.8
Computer and data processing services ..	20.3	20.1	18.2	.2	2.1
Amusement and recreation services	48.5	38.9	47.3	9.6	1.2
Health services	368.0	367.3	357.5	.7	10.5
Nursing and personal care facilities ..	81.4	81.4	79.1	.0	2.4
Hospitals	178.3	178.1	175.5	.2	2.8
Educational services	62.4	65.3	61.3	2.8	1.1
Colleges and universities	32.6	35.6	32.4	3.0	.2
GOVERNMENT	709.1	705.8	704.2	3.3	5.0
Federal government	94.5	94.6	94.6	-.1	-.1
State government	162.1	162.6	158.9	.5	3.1
State government education ¹	87.4	87.5	85.1	.1	2.3
State government, except education ...	74.6	75.1	73.8	.4	.8
Local government	452.6	448.6	450.6	3.9	1.9
Local government education	267.0	265.0	265.3	2.0	1.7
Local government, except education ...	185.6	183.7	185.4	2.0	.2

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$519.70	\$516.36	\$497.68	43.2	43.0	42.5	\$12.03	\$12.02	\$11.71
Durable Goods ^e	544.07	538.22	517.45	43.7	43.3	42.8	12.45	12.43	12.09
Lumber and wood products	317.75	312.64	306.29	41.7	41.3	41.9	7.62	7.57	7.31
Furniture and fixtures	365.72	354.56	347.44	41.0	40.2	40.4	8.92	8.82	8.60
Stone, clay, and glass products	468.07	459.43	457.52	43.1	42.5	42.6	10.86	10.81	10.74
Glass and glassware, pressed or blown	489.48	494.91	453.37	41.8	42.3	39.7	11.71	11.70	11.42
Primary metal industries	634.75	631.48	594.49	45.6	45.3	44.2	13.92	13.94	13.45
Blast furnace and basic steel products	657.92	648.07	619.58	46.3	45.8	44.8	14.21	14.15	13.83
Iron and steel foundries	662.73	671.52	617.16	45.8	45.9	44.4	14.47	14.63	13.90
Nonferrous rolling and drawing	646.47	652.94	591.51	43.3	43.5	42.1	14.93	15.01	14.05
Fabricated metal products	521.86	523.50	495.33	43.2	43.3	42.3	12.08	12.09	11.71
Cutlery, hand tools, and hardware	496.10	498.54	476.95	41.0	41.1	40.8	12.10	12.13	11.69
Fabricated structural metal products ..	446.13	452.76	459.23	41.5	42.0	42.6	10.75	10.78	10.78
Metal forgings and stampings	658.84	660.29	604.47	45.5	45.6	43.3	14.48	14.48	13.96
Machinery, except electrical	527.79	528.23	497.14	43.8	43.8	42.6	12.05	12.06	11.67
Construction and related machinery ...	413.70	416.57	427.23	40.4	40.8	41.6	10.24	10.21	10.27
Metalworking machinery	494.56	500.09	473.71	44.0	44.1	42.6	11.24	11.34	11.12
Special industry machinery	507.55	505.12	483.84	44.6	44.0	43.2	11.38	11.48	11.20
General industrial machinery	559.33	560.90	514.00	43.8	44.2	42.2	12.77	12.69	12.18
Office and computing machines	418.41	421.78	421.08	40.9	40.4	43.5	10.23	10.44	9.68
Refrigeration and service machinery ..	651.70	624.59	558.78	45.1	43.8	42.3	14.45	14.26	13.21
Electric and electronic equipment	469.66	472.92	463.14	41.6	42.0	41.5	11.29	11.26	11.16
Electrical industrial apparatus	470.38	478.16	466.62	42.3	43.0	42.0	11.12	11.12	11.11
Household appliances	490.04	489.23	478.53	40.6	40.6	40.9	12.07	12.05	11.70
Electric lighting and wiring equipment ..	481.82	490.36	470.50	41.5	42.2	41.2	11.61	11.62	11.42
Communication equipment	502.67	494.91	531.22	42.1	41.8	43.4	11.94	11.84	12.24
Transportation equipment	686.74	662.64	634.04	45.6	44.0	44.0	15.06	15.06	14.41
Motor vehicles and equipment	721.52	703.35	654.89	46.4	45.0	44.1	15.55	15.63	14.85
Aircraft and parts	598.56	550.22	589.62	43.5	41.0	44.1	13.76	13.42	13.37
Instruments and related products	356.85	357.63	365.31	39.0	39.3	40.1	9.15	9.10	9.11
Measuring and controlling devices	352.59	351.59	360.30	38.2	38.3	38.7	9.23	9.18	9.31
Nondurable Goods ^f	462.84	465.89	450.78	42.0	42.2	41.7	11.02	11.04	10.81
Food and kindred products	441.79	443.22	440.11	41.6	41.5	42.4	10.62	10.68	10.38
Meat products	385.81	354.92	384.45	41.8	39.7	43.1	9.23	8.94	8.92
Dairy products	458.71	455.99	458.17	42.2	42.3	42.7	10.87	10.78	10.73
Preserved fruits and vegetables	442.00	476.15	427.68	40.0	42.1	40.5	11.05	11.31	10.56
Bakery products	471.95	462.95	466.80	40.2	39.2	40.0	11.74	11.81	11.67
Beverages	434.66	426.54	443.66	41.2	40.7	43.2	10.55	10.48	10.27
Apparel and other textile products	305.07	297.31	275.59	40.3	39.8	37.7	7.57	7.47	7.31
Paper and allied products	492.80	503.10	508.27	44.0	44.8	45.3	11.20	11.23	11.22
Misc. converted paper products	441.23	439.78	452.76	43.6	43.2	44.0	10.12	10.18	10.29
Paperboard containers and boxes	439.64	439.49	459.96	43.4	43.6	44.7	10.13	10.08	10.29
Printing and publishing	443.35	440.95	418.88	39.2	39.3	38.5	11.31	11.22	10.88
Newspapers	375.45	370.19	374.85	34.7	34.5	35.7	10.82	10.73	10.50
Commercial printing	435.89	440.64	404.69	40.1	40.8	39.1	10.87	10.80	10.35
Chemicals and allied products	546.07	548.63	531.71	42.2	42.3	41.9	12.94	12.97	12.69
Industrial inorganic chemicals	586.38	592.21	588.67	43.5	43.9	43.0	13.48	13.49	13.69
Rubber and misc. plastics products	449.35	453.10	435.27	43.0	43.4	42.3	10.45	10.44	10.29
Tires and inner tubes	684.68	685.33	596.94	46.2	46.4	43.7	14.82	14.77	13.66
Miscellaneous plastics products	431.11	436.17	423.95	42.6	43.1	42.1	10.12	10.12	10.07

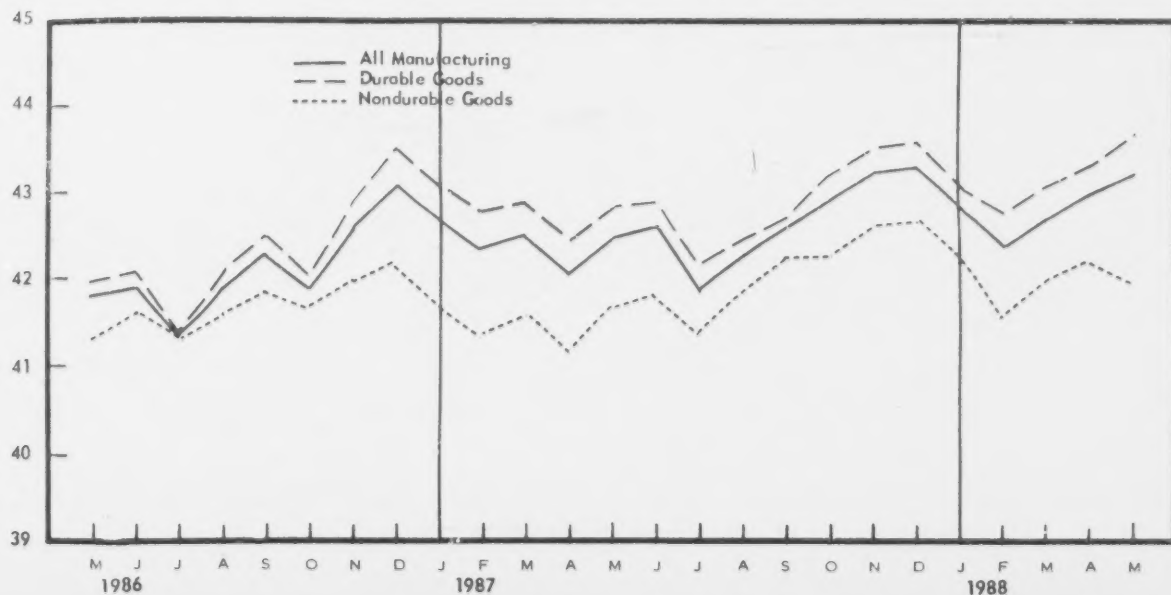
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Hours & Earnings of Production or Nonsupervisory Workers^a

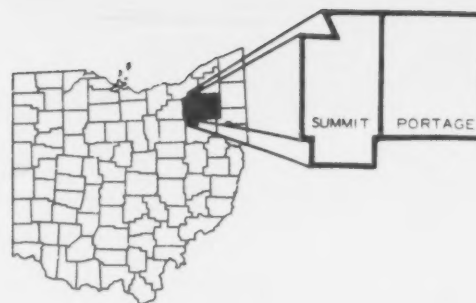
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MINING	\$537.11	\$539.30	\$525.16	42.9	42.7	42.8	\$12.52	\$12.63	\$12.27
Bituminous coal and lignite mining	647.36	652.13	617.72	41.9	42.1	40.4	15.45	15.49	15.29
CONSTRUCTION	573.92	560.71	562.11	38.7	38.3	38.9	14.83	14.64	14.45
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	564.83	559.63	543.63	40.9	40.7	40.6	13.81	13.75	13.39
Communication	538.54	533.97	526.40	40.1	39.7	40.0	13.43	13.45	13.16
Electric, gas, and sanitary services ..	596.66	590.79	567.72	41.9	41.9	41.5	14.24	14.10	13.68
WHOLESALE TRADE	389.46	387.09	375.71	39.3	39.1	39.3	9.91	9.90	9.56
Wholesale trade-durable goods	383.36	382.59	370.44	39.4	39.2	39.2	9.73	9.76	9.45
Wholesale trade-nondurable goods	397.80	393.82	384.73	39.0	38.8	39.5	10.20	10.15	9.74
RETAIL TRADE ^h	164.72	164.71	160.17	28.4	28.3	28.5	5.80	5.82	5.62
General merchandise stores	177.16	177.10	181.40	28.3	28.2	29.4	6.26	6.28	6.17
Department stores	181.48	181.40	187.03	28.4	28.3	29.5	6.39	6.41	6.34
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	265.46	266.61	260.96	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	267.00	264.15	249.18	.....	.....	.....	.....	.....	.....
Insurance carriers	373.41	372.02	344.83	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	338.28	337.95	327.03	33.1	33.1	32.9	10.22	10.21	9.94

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



AKRON PRIMARY METROPOLITAN STATISTICAL AREA

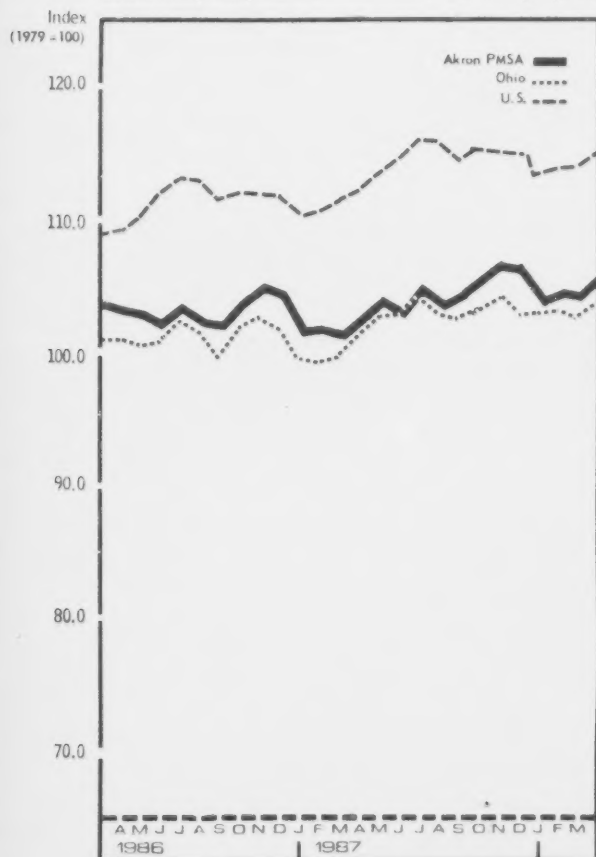


Total nonfarm payroll employment in the Akron metropolitan area was 273,700 in May, 3,600 above the April 1988 level. Seasonal growth in services, especially amusement and recreation services, and in construction contributed most to the improvement. Manufacturing employment decreased 100, to 66,800. Production workers averaged \$11.76 per hour, up \$.03 from last month. Their average workweek was .2 hours shorter, at 43.5 hours.

Between May 1987 and May 1988, nonagricultural wage and salary employment advanced 7,800. Nonmanufacturing sectors provided 91.0 percent of the growth. Significant improvements occurred in services and state and local schools and colleges. The manufacturing workforce gained 700 jobs over the year with modest expansion in nonelectrical machinery and rubber and miscellaneous plastics products.

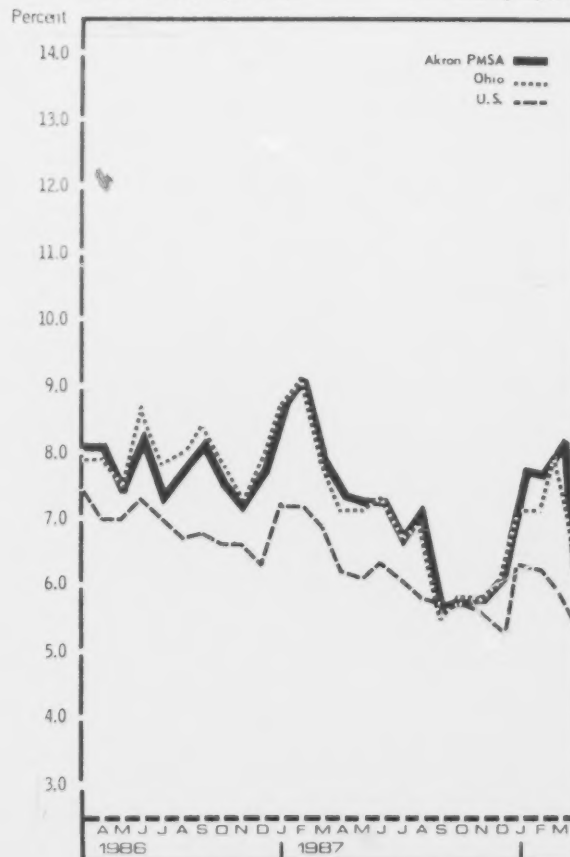
INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

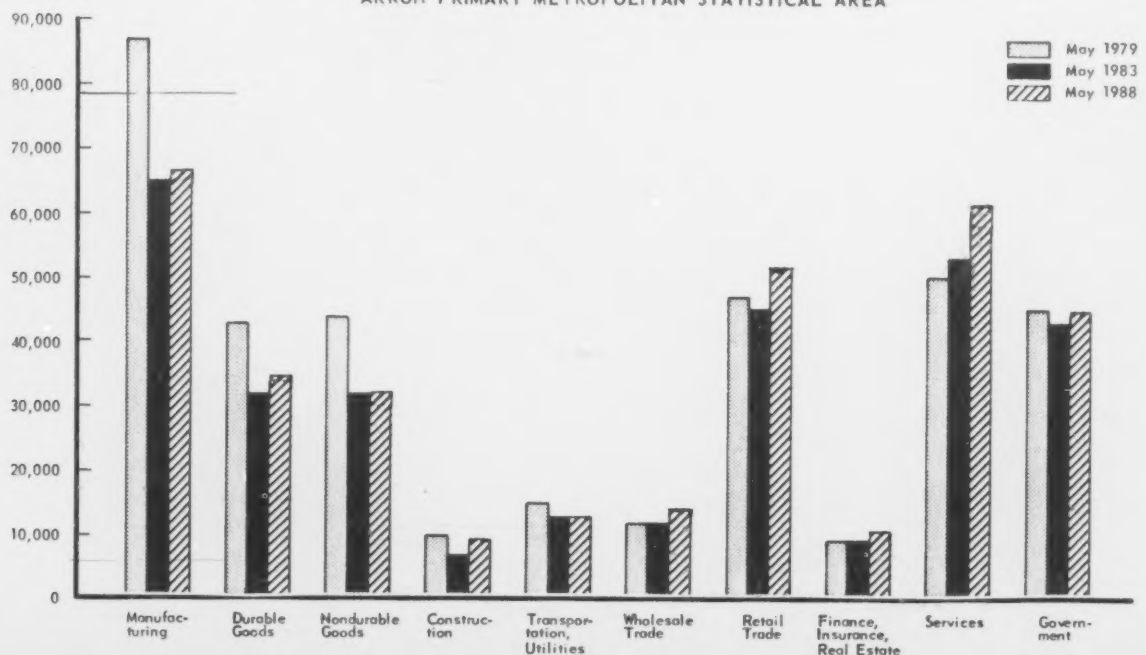


AKRON PHSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	\$285.53	42.3	\$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
318.2	294.7	23.5	7.4	April	262.6	66.1	35.7	483.75	43.0	11.25
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.4	301.5	19.9	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
INA	INA	INA	INA	May	273.7	66.8	36.9	511.56	43.5	11.76

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	273.7	270.1	265.9	3.6	7.8
MANUFACTURING	66.8	66.9	66.1	.1	.7
Durable Goods ^e	34.5	34.6	34.1	.1	.4
Fabricated metal products	11.6	11.5	11.4	.1	.1
Machinery, except electrical	9.7	9.7	9.3	.0	.4
Metalworking machinery	3.5	3.4	3.2	.1	.3
Nondurable Goods ^f	32.3	32.3	32.0	.0	.3
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	2.9	3.0	3.0	.1	.1
Rubber and misc. plastics products	20.9	20.9	20.6	.0	.3
Tires and inner tubes	12.7	12.7	12.9	.0	.2
NONMANUFACTURING^g	207.0	203.2	199.8	3.8	7.1
CONSTRUCTION	9.5	8.7	9.0	.8	.5
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.8	12.8	.1	.1
Communication, electric, gas services ..	5.3	5.3	5.2	.0	.0
WHOLESALE TRADE	14.4	14.2	13.9	.2	.5
RETAIL TRADE	52.0	51.6	51.4	.4	.6
General merchandise stores	5.9	5.8	6.1	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.7	10.5	.1	.4
Banking	3.3	3.3	3.1	.0	.1
SERVICES	61.6	59.8	57.6	1.8	4.0
Business services	11.7	11.5	10.7	.2	1.0
Amusement and recreation services	4.4	3.4	3.8	1.0	.6
Health services	20.2	20.1	19.0	.1	1.3
GOVERNMENT	45.2	45.0	44.2	.2	1.1
State government	17.0	16.9	15.7	.1	1.3
State government education ^h	14.0	13.9	12.7	.0	1.3
State government, except education ...	3.0	3.0	3.0	.0	.0
Local government	25.9	25.7	26.1	.2	.2
Local government education	15.0	14.9	14.6	.0	.4
Local government, except education ...	11.0	10.8	11.5	.2	.6

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers^a

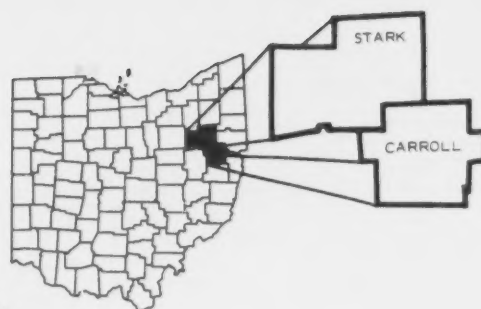
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$511.56	\$512.60	\$487.19	43.5	43.7	43.0	\$11.76	\$11.73	\$11.33
Durable Goods ^e	534.36	534.26	518.76	43.8	43.9	44.0	12.20	12.17	11.79
Fabricated metal products	707.97	713.23	634.37	46.7	46.8	44.8	15.16	15.24	14.16
Machinery, except electrical	456.44	458.20	481.84	44.1	44.1	46.6	10.35	10.39	10.34
Metalworking machinery	470.25	476.41	479.87	45.0	45.2	47.0	10.45	10.54	10.21
Nondurable Goods ^f	479.70	481.74	441.38	43.1	43.4	41.6	11.13	11.10	10.61
Food and kindred products	453.65	443.93	452.45	42.2	42.4	41.7	10.75	10.47	10.85
Chemicals and allied products	513.17	496.78	461.04	43.6	42.9	40.8	11.77	11.58	11.30
Rubber and misc. plastics products	499.46	506.21	445.84	44.2	44.6	42.1	11.30	11.35	10.59
Tires and inner tubes	789.66	790.15	641.89	49.2	49.2	43.4	16.05	16.06	14.79
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	568.41	558.90	549.40	41.1	40.5	41.0	13.83	13.80	13.40
WHOLESALE TRADE	349.15	349.65	324.75	38.2	37.8	37.5	9.14	9.25	8.66
RETAIL TRADE ^h	195.31	194.38	195.60	31.3	31.1	31.6	6.24	6.25	6.19

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	2,621	2,223	2,513
Active File of Job Seekers	17,763	17,652	15,027
Referrals to Jobs	1,492	1,006	1,491
Placements	339	347	504
Job Openings Received	946	1,013	835
Job Openings Unfilled	1,582	1,159	2,010
Unemployment Insurance Program			
Initial Claims	2,153	2,074	2,656
Continued Claims	22,128	26,945	28,180
First Payments	823	1,065	1,203
Last Payments	394	421	524
Weeks Compensated	17,034	24,925	23,520
Benefits Paid	\$2,580,200	\$3,840,322	\$3,531,985
Average Weekly Payment	\$155.01	\$157.23	\$153.37

CANTON METROPOLITAN STATISTICAL AREA



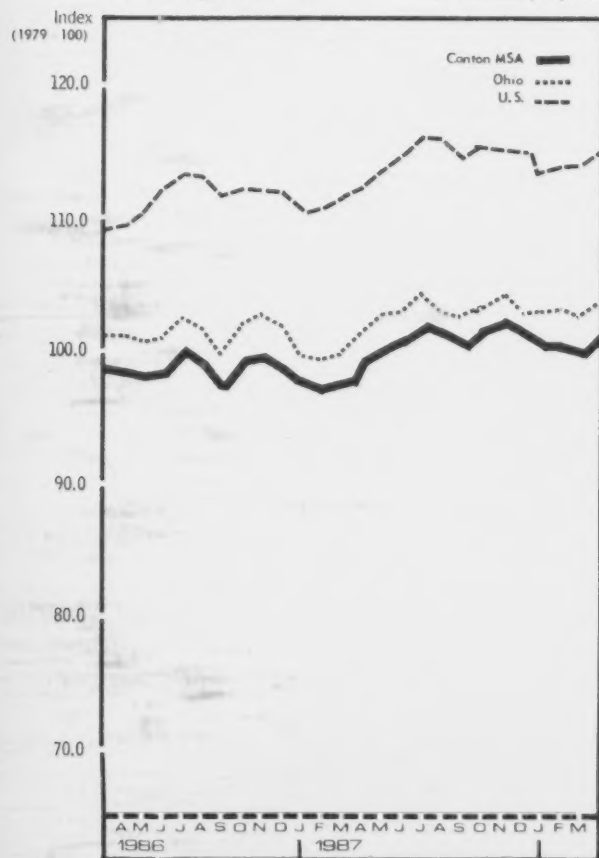
Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, nonagricultural wage and salary employment rose 2,300 from April, to 160,600 in May 1988. Nonmanufacturing employment increased 2,000 due to growth in construction, retail trade, local government, and services. Scattered gains in nondurable-goods industries increased manufacturing employment 300. Factory workers averaged \$11.42 per hour, unchanged from April. Their average workweek, 43.4 hours, was .2 hours longer.

Total nonfarm payroll employment increased 4,300 between May 1987 and May 1988. Significant improvements were recorded in construction, services, and retail trade. The manufacturing employment level was unchanged from a year ago, at 43,500. Declines in fabricated metal products and food and kindred products offset scattered gains.

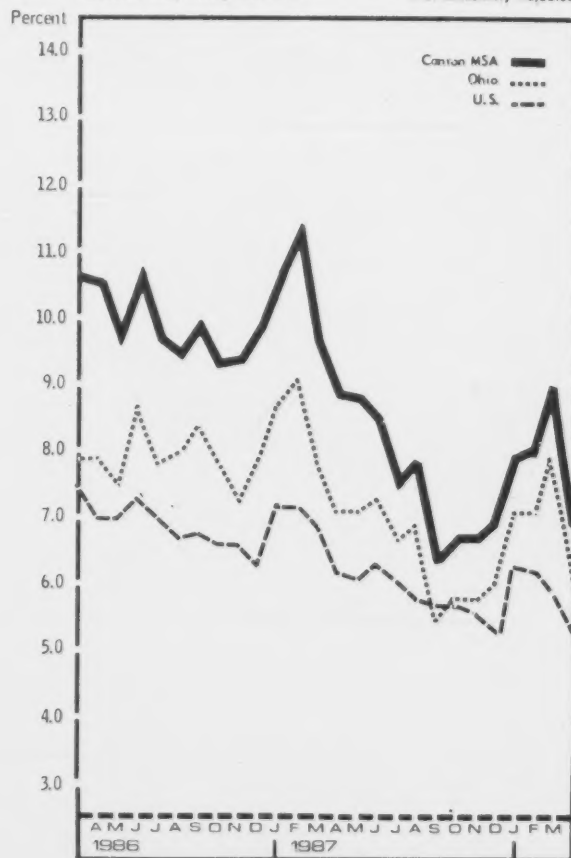
INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

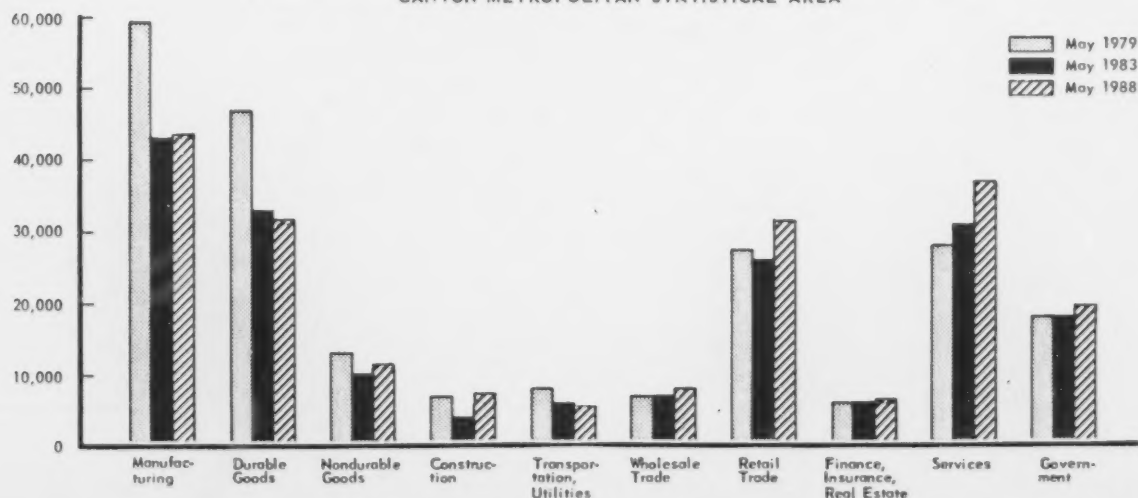


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed		Unemployed		Manufacturing Employment					
			Total	Rate				Manufacturing Production Workers		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	\$273.14	39.7	\$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
189.1	172.4	16.8	8.9	April	154.3	43.3	30.5	471.03	41.5	11.35
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
189.1	176.0	13.1	6.9	April	158.3	43.2	30.6	493.34	43.2	11.42
INA	INA	INA	INA	May	160.6	43.5	31.0	495.63	43.4	11.42

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	160.6	158.3	156.3	2.3	4.3
MANUFACTURING	43.5	43.2	43.5	.3	.0
Durable Goods ^e	31.9	31.8	31.9	.0	.1
Primary metal industries	10.6	10.6	10.5	.1	.1
Fabricated metal products	6.2	6.2	6.5	.0	.3
Metal forgings and stampings	1.9	1.9	2.2	.0	.3
Nondurable Goods ^f	11.7	11.4	11.5	.3	.1
Food and kindred products	3.3	3.3	3.6	.1	.3
Rubber and misc. plastics products	3.0	3.0	2.8	.1	.2
NONMANUFACTURING^g	117.1	115.1	112.8	2.0	4.3
CONSTRUCTION	7.3	6.6	5.9	.7	1.4
TRANSPORTATION AND PUBLIC UTILITIES	5.9	5.8	5.7	.0	.1
Communication, electric, gas services ..	2.6	2.6	2.6	.0	.0
WHOLESALE TRADE	8.1	8.0	8.0	.0	.0
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
RETAIL TRADE	31.9	31.5	30.9	.4	1.0
General merchandise stores	3.9	3.8	3.8	.1	.1
Food stores	5.1	5.1	5.0	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.5	.0	.0
Banking	1.9	1.9	1.8	.0	.0
SERVICES	37.0	36.7	35.6	.3	1.4
Health services	15.4	15.4	15.0	.0	.4
GOVERNMENT	19.5	19.1	19.2	.4	.3
State government (includes education) ..	1.8	1.8	1.8	.0	.0
Local government	16.3	15.9	16.0	.4	.2
Local government education	9.4	9.3	9.7	.1	.3
Local government, except education ...	6.9	6.6	6.4	.3	.5

Canton MSA

**Hours & Earnings
of Production or
Nonsupervisory
Workers^a**

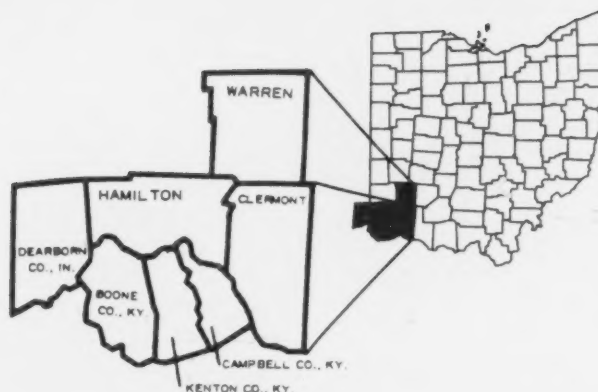
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$495.63	\$493.34	\$486.35	43.4	43.2	42.7	\$11.42	\$11.42	\$11.39
Durable Goods ^e	518.15	516.53	511.92	43.8	43.7	43.2	11.83	11.82	11.85
Primary metal industries	619.88	616.90	618.45	47.5	47.2	46.5	13.05	13.07	13.30
Fabricated metal products	436.54	431.14	475.45	41.3	41.1	42.3	10.57	10.49	11.24
Metal forgings and stampings	578.24	581.93	613.60	40.1	40.3	42.7	14.42	14.44	14.37
Nondurable Goods ^f	425.63	418.14	407.36	42.1	41.4	40.9	10.11	10.10	9.96
Food and kindred products	453.06	416.57	446.95	41.3	38.5	43.1	10.97	10.82	10.37
Rubber and misc. plastics products	419.15	430.68	417.73	41.5	42.1	41.4	10.10	10.23	10.09
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	545.40	585.01	548.63	40.4	42.3	41.5	13.50	13.83	13.22
WHOLESALE TRADE	379.38	381.78	366.92	37.6	37.8	37.1	10.09	10.10	9.89
RETAIL TRADE ^h	157.04	157.90	155.69	28.5	28.4	29.1	5.51	5.56	5.35

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	1,343	1,380	1,104
Active File of Job Seekers	12,276	12,506	13,112
Referrals to Jobs	1,129	1,156	1,198
Placements	183	144	185
Job Openings Received	629	531	1,234
Job Openings Unfilled	1,103	833	1,304
Unemployment Insurance Program			
Initial Claims	1,403	1,422	1,990
Continued Claims	14,343	18,033	18,630
First Payments	566	723	855
Last Payments	237	269	330
Weeks Compensated	10,828	15,793	15,335
Benefits Paid	\$1,529,491	\$2,270,132	\$2,222,479
Average Weekly Payment	\$145.82	\$147.62	\$149.72

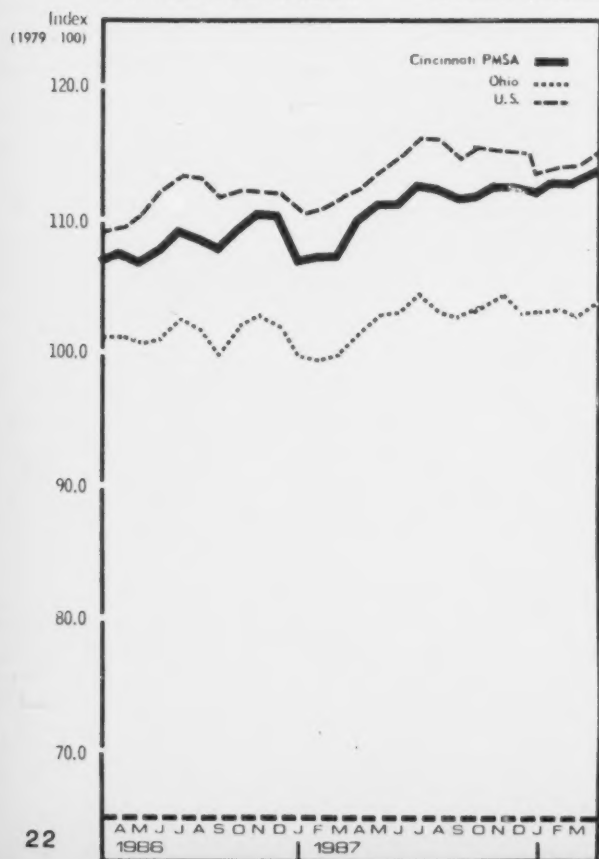
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



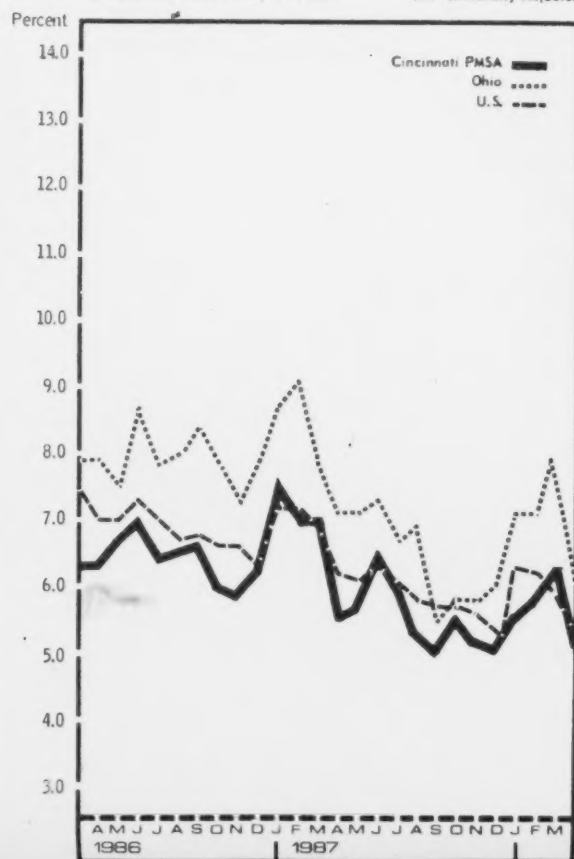
Nonfarm wage and salary employment in the Cincinnati metropolitan area totaled 699,300 in May, a gain of 6,100 from April 1988. The improvement was concentrated in the nonmanufacturing sector. Seasonal increases in services, especially amusement and recreation services, retail trade, and construction contributed 90.2 percent of the additional workforce. Manufacturing employment was unchanged over the month at 143,800. The loss of 200 workers in transportation equipment offset slight improvements in fabricated metal products and electric and electronic equipment. Production workers earned an average of \$11.05 per hour, up \$.04 from April. Their average workweek, 42.1 hours, was .1 hours longer.

Nonagricultural payroll employment rose 19,800 between May 1987 and May 1988. The nonmanufacturing sector advanced 23,600 over the year. Major growth sectors were services, retail trade, and construction. Manufacturing employment declined 3,800 during the period due to significant reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

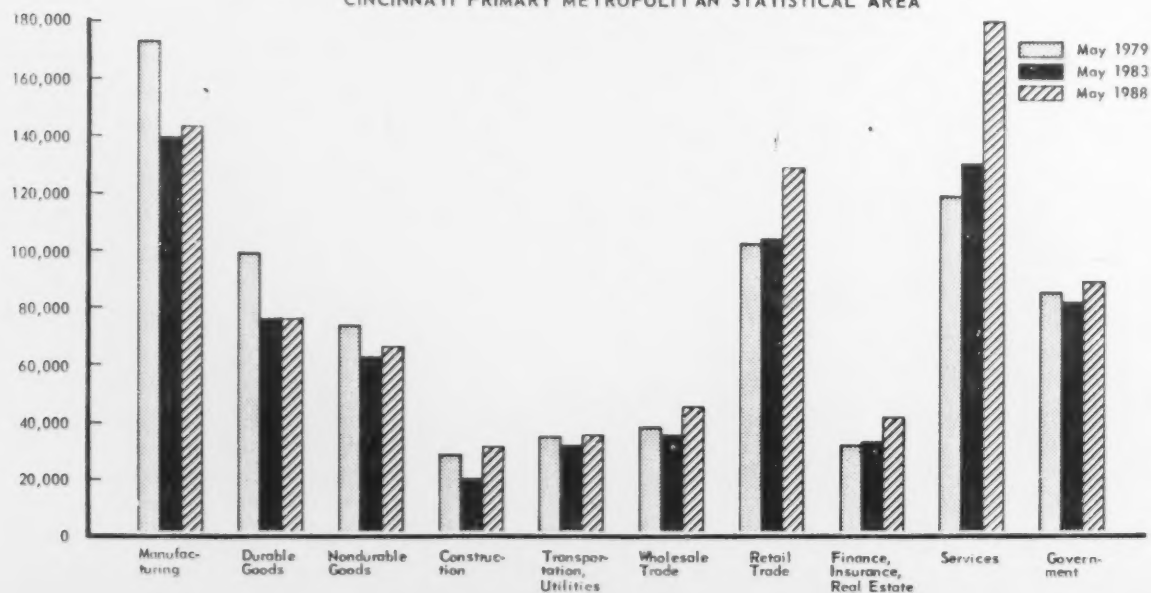


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate		Hours and Earnings					
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	\$260.83	41.6	\$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
737.7	697.3	40.4	5.5	April	673.1	146.9	94.8	459.38	41.8	10.99
744.4	703.0	41.4	5.6	May	679.6	147.6	95.3	466.15	42.3	11.02
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.1	April	693.2	143.8	91.8	462.42	42.0	11.01
INA	INA	INA	INA	May	699.3	143.8	91.9	465.21	42.1	11.05

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	699.3	693.2	679.6	6.1	19.8
MANUFACTURING	143.8	143.8	147.6	.0	- 3.8
Durable Goods ^e	76.9	76.7	81.3	.2	- 4.5
Fabricated metal products	10.0	9.9	10.6	.1	- .6
Fabricated structural metal products ..	3.8	3.8	4.4	.0	- .6
Machinery, except electrical	20.4	20.4	20.8	.0	- .4
Metalworking machinery	7.9	7.8	8.3	.0	- .5
General industrial machinery	3.0	3.0	2.9	.0	.0
Electric and electronic equipment	7.8	7.6	7.4	.1	.4
Transportation equipment	24.2	24.4	29.0	-.2	- 4.8
Motor vehicles and equipment	4.9	4.8	8.5	.0	- 3.7
Nondurable Goods ^f	66.9	67.1	66.3	-.2	.6
Food and kindred products	13.4	13.4	13.1	.0	.3
Beverages	3.5	3.5	3.6	.0	- .1
Apparel and other textile products	3.8	3.9	3.6	-.1	.2
Paper and allied products	5.9	5.9	6.1	.0	- .2
Printing and publishing	13.0	13.2	13.3	-.3	-.3
Commercial printing	5.6	5.8	5.8	-.2	-.1
Chemicals and allied products	22.5	22.4	22.2	.1	.3
Rubber and misc. plastics products	5.9	5.9	5.6	.0	.3
NONMANUFACTURING^g	555.6	549.4	532.0	6.1	23.6
CONSTRUCTION	32.4	30.9	28.9	1.4	3.4
TRANSPORTATION AND PUBLIC UTILITIES	36.4	36.2	35.2	.3	1.3
Trucking and warehousing	10.4	10.3	9.9	.1	.6
Communication, electric, gas services ..	15.0	14.9	14.9	.1	.0
WHOLESALE TRADE	45.4	45.1	43.7	.2	1.6
Wholesale trade-durable goods	26.9	26.8	25.8	.2	1.1
RETAIL TRADE	129.4	127.9	125.4	1.5	4.0
General merchandise stores	17.0	16.9	17.6	.1	-.7
FINANCE, INSURANCE, AND REAL ESTATE	41.9	41.7	40.0	.2	1.8
Banking	9.1	9.1	8.7	.0	.4
Insurance carriers	14.3	14.2	13.7	.0	.5
SERVICES	180.0	177.4	169.1	2.6	10.9
Hotels and other lodging places	7.0	6.7	6.5	.3	.5
Personal services	8.7	9.0	8.2	-.4	.5
Business services	42.7	42.2	38.7	.5	4.0
Amusement and recreation services	10.3	8.5	10.0	1.8	.2
Health services	54.4	54.3	51.9	.1	2.5
Hospitals	25.7	25.6	24.9	.0	.8
GOVERNMENT	89.6	89.6	89.3	.0	.4
Federal government	15.5	15.9	15.2	-.5	.3
State government	19.8	20.0	20.4	-.2	-.6
State government education ^h	12.1	12.3	12.4	-.1	-.3
State government, except education ...	7.7	7.7	7.9	-.1	-.2
Local government	54.3	53.7	53.7	.7	.7
Local government education	31.5	31.0	31.4	.4	.1
Local government, except education ...	22.9	22.7	22.3	.2	.6

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$465.21	\$462.42	\$466.15	42.1	42.0	42.3	\$11.05	\$11.01	\$11.02
Durable Goods ^e	459.14	456.79	467.42	42.2	42.1	42.3	10.88	10.85	11.05
Fabricated metal products	419.47	416.37	426.17	42.2	42.1	43.8	9.94	9.89	9.73
Fabricated structural metal products	433.57	426.86	457.63	43.4	42.9	45.4	9.99	9.95	10.08
Machinery, except electrical	428.00	428.24	405.15	42.8	42.4	41.3	10.00	10.10	9.81
Metalworking machinery	494.14	490.42	451.98	44.8	43.4	42.4	11.03	11.30	10.66
General industrial machinery	426.31	423.72	409.47	44.5	44.0	43.7	9.58	9.63	9.37
Electric and electronic equipment	323.92	328.64	351.43	38.7	38.8	39.8	8.37	8.47	8.83
Transportation equipment	692.80	673.95	658.01	45.4	44.9	44.4	15.26	15.01	14.82
Motor vehicles and equipment	852.00	834.16	700.57	50.0	49.3	44.2	17.04	16.92	15.85
Nondurable Goods ^f	471.24	468.72	464.88	42.0	42.0	42.3	11.22	11.16	10.99
Food and kindred products	492.06	487.21	493.55	41.7	41.5	43.6	11.80	11.74	11.32
Beverages	519.17	519.17	533.20	41.6	41.6	43.0	12.48	12.48	12.40
Apparel and other textile products	234.00	229.46	217.88	39.0	38.5	38.7	6.00	5.96	5.63
Paper and allied products	424.69	424.30	431.57	42.3	42.6	42.9	10.04	9.96	10.06
Printing and publishing	454.80	457.14	440.27	40.0	40.1	39.7	11.37	11.40	11.09
Commercial printing	486.20	487.92	469.96	42.5	42.8	41.7	11.44	11.40	11.27
Chemicals and allied products	559.37	547.26	547.84	42.7	42.0	42.7	13.10	13.03	12.83
Rubber and misc. plastics products	407.39	434.78	439.18	43.9	46.5	45.7	9.28	9.35	9.61
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	556.54	545.76	525.49	40.3	40.1	39.6	13.81	13.61	13.27
WHOLESALE TRADE	406.59	398.38	388.24	40.7	40.2	40.4	9.99	9.91	9.61
RETAIL TRADE ^h	165.88	166.73	159.57	29.0	29.2	28.7	5.72	5.71	5.56
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	259.38	260.41	258.32	.....	.....	.....	.....	.....	.....

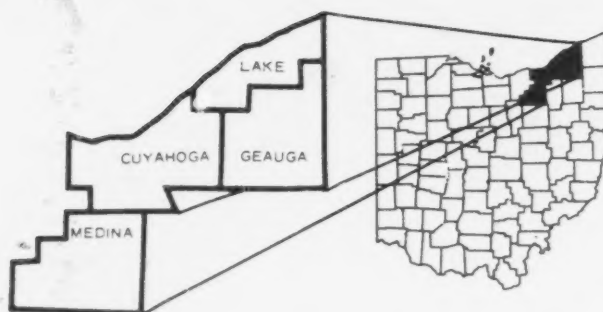
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities^a

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	2,267	2,439	2,464
Active File of Job Seekers	21,228	22,591	15,202
Referrals to Jobs	1,560	1,754	2,015
Placements	291	421	441
Job Openings Received	1,397	1,068	1,353
Job Openings Unfilled	1,819	2,082	3,258
Unemployment Insurance Program			
Initial Claims	3,244	3,699	3,120
Continued Claims	38,492	45,097	36,331
First Payments	1,855	1,929	1,432
Last Payments	560	650	663
Weeks Compensated	30,067	35,848	32,116
Benefits Paid	\$4,666,854	\$5,540,033	\$4,600,603
Average Weekly Payment	\$157.31	\$157.39	\$146.16

^aOhio data only

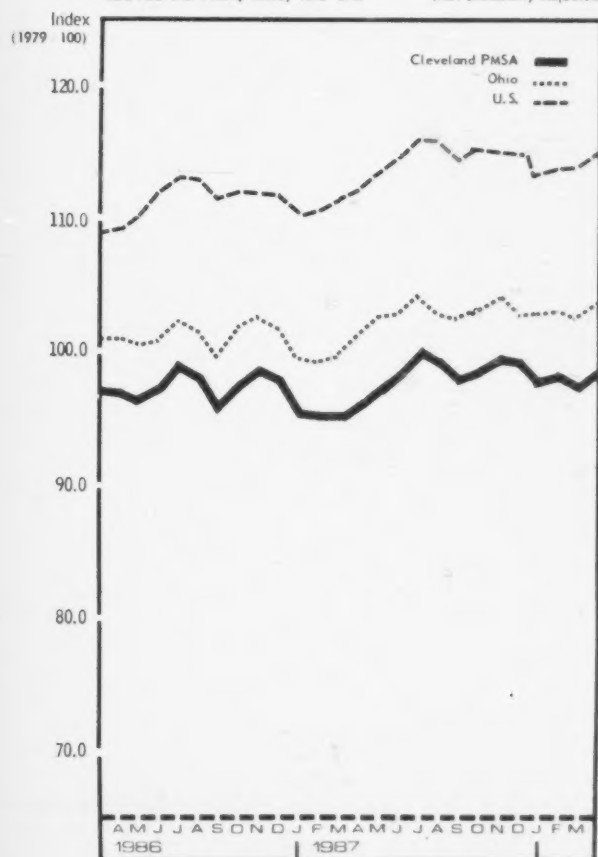
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



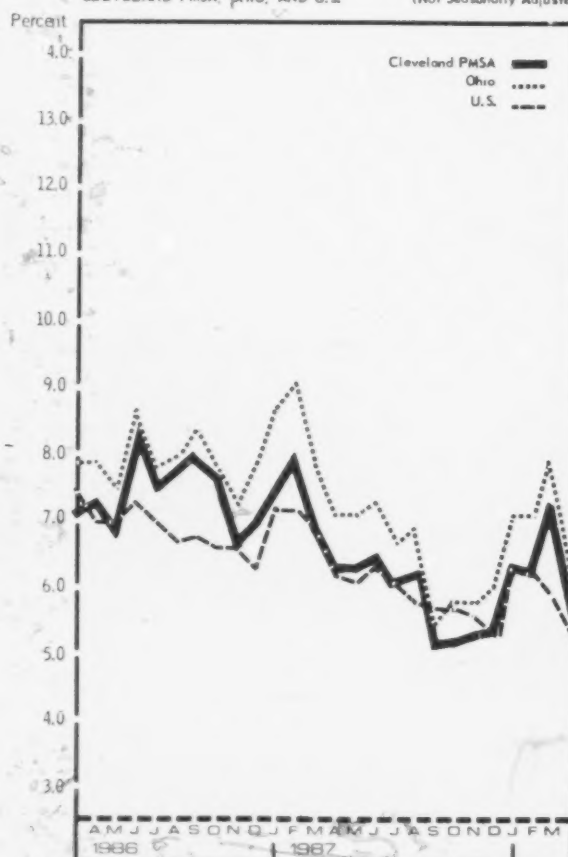
In May 1988, nonfarm wage and salary employment in the Cleveland metropolitan area advanced 8,000 above the April level, to 910,000. Seasonal hiring in retail trade, services, and construction contributed most to the improvement. Manufacturing employment increased 600, to 202,300. The major portion of the gain occurred in nondurable-goods industries, especially rubber and miscellaneous plastics products. Production workers averaged \$11.83 per hour, \$.02 higher than last month. Their average workweek, 43.4 hours, was unchanged from April.

Between May 1987 and May 1988, nonagricultural payroll employment gained 20,500 workers. Services and retail trade were the primary growth sectors. Marked improvements were also noted in finance, insurance, and real estate and construction. The manufacturing labor force gained 2,500 additional jobs during the year. Significant expansion occurred in fabricated metal products, chemicals and allied products, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

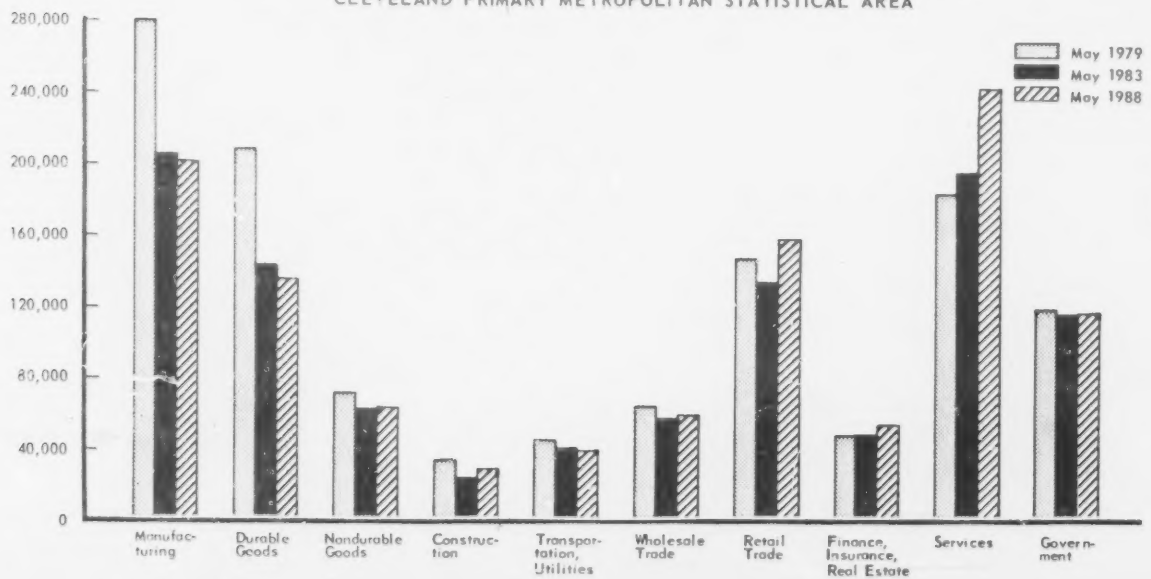


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total				Hours and Earnings						
Rate				Average Weekly Earnings						
				Average Weekly Hours						
				Average Hourly Earnings						
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	\$292.75	42.8	\$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
916.9	858.8	58.1	6.3	April	880.1	199.4	127.9	494.89	42.7	11.59
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
927.1	875.6	51.6	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
INA	INA	INA	INA	May	910.0	202.3	130.3	513.42	43.4	11.83

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	910.0	902.1	889.5	8.0	20.5
MANUFACTURING	202.3	201.8	199.9	.6	2.5
Durable Goods ^e	137.2	137.1	135.8	.1	1.5
Primary metal industries	20.9	21.0	20.8	-.1	.1
Iron and steel foundries	5.1	5.2	5.2	-.1	.0
Fabricated metal products	33.3	33.2	32.2	.1	1.1
Fabricated structural metal products ..	4.3	4.2	4.0	.1	.3
Screw machine products, bolts, etc. ..	4.8	4.8	4.7	.0	.1
Metal forgings and stampings	11.7	11.7	11.3	.0	.4
Machinery, except electrical	28.9	29.1	28.7	-.2	.2
Construction and related machinery ...	2.6	2.7	2.5	-.1	.1
Metalworking machinery	9.6	9.6	9.5	.0	.1
Special industry machinery	2.6	2.6	2.8	.0	-.2
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	18.1	17.9	17.5	.1	.5
Electrical industrial apparatus	6.3	6.1	5.9	.2	.3
Transportation equipment	18.7	18.7	19.2	.0	-.5
Motor vehicles and equipment	11.8	11.7	11.9	.1	-.2
Instruments and related products	6.4	6.5	6.7	.0	-.3
Measuring and controlling devices	4.1	4.1	4.2	.0	-.1
Nondurable Goods ^f	65.1	64.7	64.1	.4	1.0
Food and kindred products	6.9	6.9	6.9	.0	.0
Apparel and other textile products	4.1	4.1	4.1	.0	.0
Paper and allied products	5.6	5.6	5.5	.0	.1
Printing and publishing	15.9	16.0	16.0	.0	-.1
Chemicals and allied products	15.2	15.1	14.6	.1	.6
Rubber and misc. plastics products	12.4	12.2	12.1	.2	.3
NONMANUFACTURING^g	707.7	700.3	689.6	7.4	18.1
CONSTRUCTION	29.5	27.6	28.3	1.9	1.2
TRANSPORTATION AND PUBLIC UTILITIES	40.8	40.4	41.2	.3	-.4
Trucking and warehousing	12.1	12.0	11.8	.1	.3
Communication, electric, gas services ..	17.4	17.4	18.0	.0	-.6
WHOLESALE TRADE	60.6	60.2	60.6	.4	-.1
Wholesale trade-durable goods	41.5	41.3	42.0	.1	-.5
RETAIL TRADE	159.5	157.0	153.6	2.5	5.9
General merchandise stores	20.8	20.7	20.2	.1	.5
FINANCE, INSURANCE, AND REAL ESTATE	56.0	55.6	53.9	.4	2.1
Banking	13.3	13.3	13.2	.0	.0
Credit agencies other than banks	8.7	8.7	8.6	.1	.1
Insurance carriers	14.1	14.1	13.5	.1	.7
SERVICES	243.0	240.9	233.3	2.1	9.7
Business services	55.3	55.0	52.5	.3	2.8
Amusement and recreation services	9.0	7.8	8.8	1.2	.2
Health services	75.9	75.7	74.2	.2	1.6
Hospitals	42.5	42.5	42.0	.0	.5
GOVERNMENT	117.3	117.4	117.6	-.1	-.3
Federal government	20.6	20.6	20.3	-.1	.3
State government	8.0	8.6	8.1	-.6	-.1
State government education ^h	3.0	3.3	3.0	-.3	.0
State government, except education ...	5.0	5.3	5.1	-.3	.1
Local government	88.8	88.2	89.2	.6	-.4
Local government education	45.4	44.9	44.3	.4	1.1
Local government, except education ...	43.4	43.3	44.9	.2	1.5

Hours & Earnings of Production or Nonsupervisory Workers^a

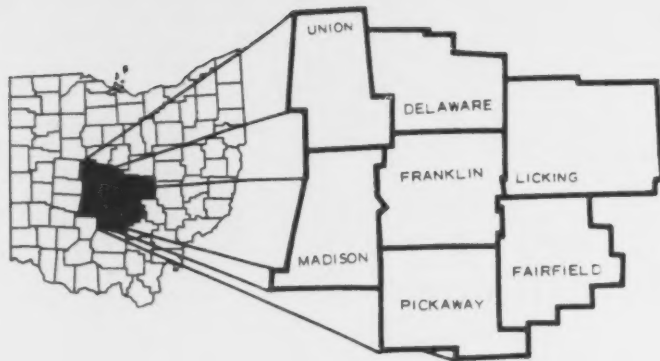
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$513.42	\$512.55	\$493.19	43.4	43.4	42.7	\$11.83	\$11.81	\$11.55
Durable-Goods ^d	552.78	549.32	522.45	44.4	44.3	43.0	12.45	12.40	12.15
Primary metal industries	605.58	594.27	611.10	47.2	46.5	45.3	12.83	12.78	13.49
Iron and steel foundries	877.25	861.91	843.68	50.1	49.0	50.1	17.51	17.59	16.84
Fabricated metal products	554.71	543.84	529.54	44.2	44.0	43.8	12.55	12.36	12.09
Fabricated structural metal products	377.12	388.63	397.63	38.6	39.9	41.9	9.77	9.74	9.49
Screw machine products, bolts, etc. ..	530.08	535.68	475.40	45.5	46.1	44.1	11.65	11.62	10.78
Metal forgings and stampings	717.91	682.76	674.36	47.2	45.7	46.0	15.21	14.94	14.66
Machinery, except electrical	506.74	512.60	464.80	43.2	43.7	41.5	11.73	11.73	11.20
Construction and related machinery ..	397.73	404.95	416.30	43.9	44.5	46.0	9.06	9.10	9.05
Metalworking machinery	442.24	444.14	414.46	41.1	41.2	40.2	10.76	10.78	10.31
Special industry machinery	461.95	475.78	458.02	40.1	40.7	38.2	11.52	11.69	11.99
General industrial machinery	486.95	500.34	490.25	43.4	44.2	43.5	11.22	11.32	11.27
Electric and electronic equipment	449.03	445.63	436.30	41.5	41.3	40.7	10.82	10.79	10.72
Electrical industrial apparatus	510.07	509.95	480.48	43.3	43.4	42.0	11.78	11.75	11.44
Transportation equipment	760.36	761.42	669.91	48.4	48.1	44.9	15.71	15.83	14.92
Motor vehicles and equipment	849.93	855.54	709.64	49.3	49.0	45.2	17.24	17.46	15.70
Instruments and related products	401.85	398.40	386.22	41.3	41.2	40.4	9.73	9.67	9.56
Measuring and controlling devices	412.00	411.06	392.24	40.0	40.3	39.7	10.30	10.20	9.88
Non-durable Goods^f	418.41	424.98	424.37	40.9	41.3	42.1	10.23	10.29	10.08
Food and kindred products	385.69	388.93	386.61	40.9	41.2	43.1	9.43	9.44	8.97
Apparel and other textile products	325.51	325.44	313.22	39.6	39.4	39.3	8.22	8.26	7.97
Paper and allied products	469.83	475.59	505.96	41.8	42.2	45.5	11.24	11.27	11.12
Printing and publishing	400.31	410.51	411.57	37.1	37.8	38.5	10.79	10.86	10.69
Chemicals and allied products	504.08	514.84	511.73	42.9	43.3	43.7	11.75	11.89	11.71
Rubber and misc. plastics products	386.18	384.50	407.70	43.1	43.3	45.0	8.96	8.88	9.06
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	583.43	569.64	568.70	41.0	40.4	41.3	14.23	14.10	13.77
WHOLESALE TRADE	409.23	408.95	398.16	38.9	38.8	39.5	10.52	10.54	10.08
RETAIL TRADE^h	182.05	183.70	180.48	27.5	27.5	28.2	6.62	6.68	6.40
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	297.54	303.50	297.66	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	341.32	341.15	340.93	31.4	31.5	32.5	10.87	10.83	10.49

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	4,022	3,769	6,124
Active File of Job Seekers	60,273	61,802	40,415
Referrals to Jobs	1,859	1,881	2,541
Placements	332	358	672
Job Openings Received	1,643	1,387	1,231
Job Openings Unfilled	3,842	3,020	2,341
Unemployment Insurance Program			
Initial Claims	5,745	5,742	5,670
Continued Claims	60,610	67,469	60,394
First Payments	2,367	2,550	2,757
Last Payments	972	1,074	1,235
Weeks Compensated	45,542	60,709	53,515
Benefits Paid	\$7,041,665	\$9,509,761	\$7,871,485
Average Weekly Payment	\$157.32	\$158.94	\$149.70

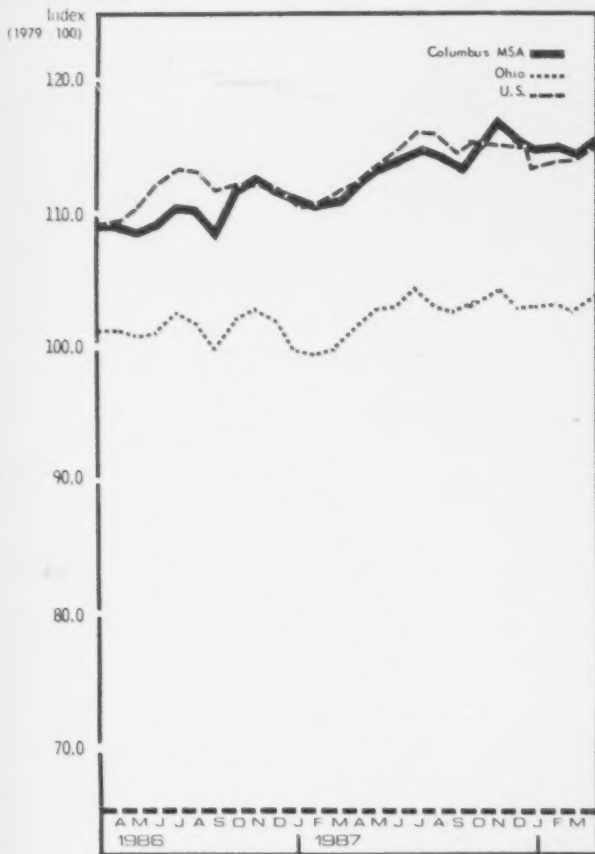
COLUMBUS METROPOLITAN STATISTICAL AREA



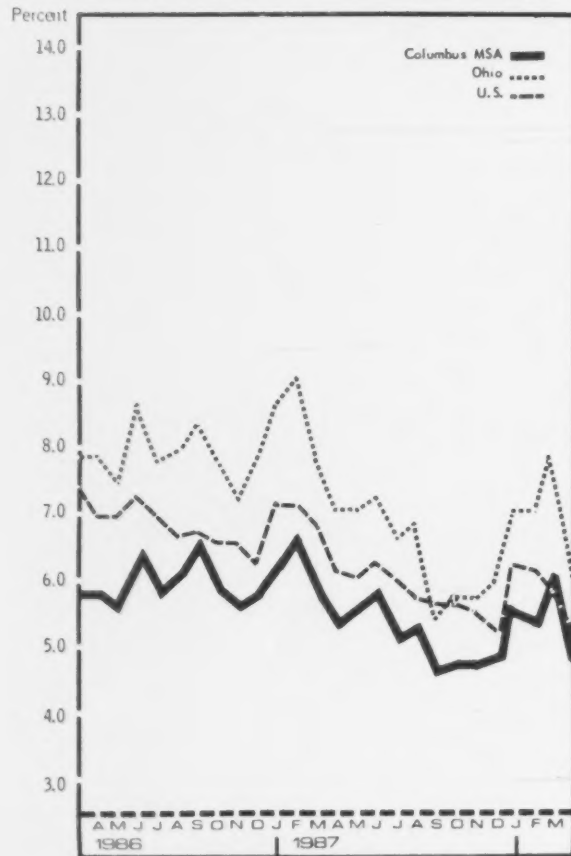
Nonagricultural wage and salary employment in the Columbus metropolitan area totaled 681,000 in May, 7,200 higher than in April 1988. Nonmanufacturing industries provided 94.4 percent of the gain due chiefly to seasonal growth in services, retail trade, and construction. Manufacturing employment rose 400 over the month. The improvement was concentrated in durable-goods industries, especially transportation equipment. Factory production workers averaged \$11.62 per hour, up \$.05 from April. Their average workweek was .2 hours shorter, at 41.5 hours.

Between May 1987 and May 1988, total nonfarm payroll employment advanced 23,800. Primary growth sectors were services and retail trade. Significant gains also occurred in construction and finance, insurance, and real estate. The manufacturing labor force declined 900 over the year. Reductions in transportation equipment and stone, clay, and glass products overshadowed growth in nondurable goods.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

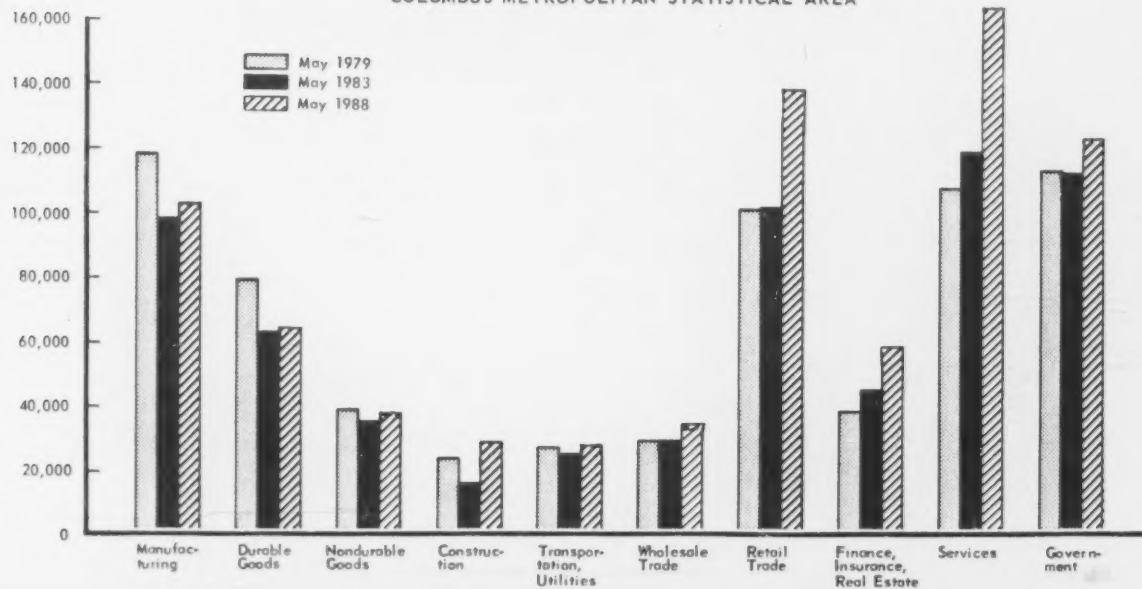


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment					
Total Employed				Manufacturing Employment					
Unemployed				Manufacturing Production Workers					
Total Rate				Hours and Earnings					
				Average Weekly Earnings Average Weekly Hours Average Hourly Earnings					
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5
				1987					
687.4	650.8	36.6	5.3	April	650.6	103.3	68.3	466.49	41.1
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9
				1988					
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3
703.7	669.6	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7
INA	INA	INA	INA	May	681.0	102.5	67.0	482.23	41.5

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	681.0	673.8	657.2	7.2	23.8
MANUFACTURING	102.5	102.1	103.4	.4	-.9
Durable Goods ^e	64.5	64.2	66.7	.4	- 2.2
Stone, clay, and glass products	10.0	9.9	10.8	.1	-.8
Glass and glassware, pressed or blown	3.7	3.7	4.2	.0	-.4
Fabricated metal products	9.3	9.3	9.4	.0	.0
Fabricated structural metal products	2.7	2.8	2.8	-.1	-.1
Machinery, except electrical	9.1	9.2	9.1	-.1	.0
Electric and electronic equipment	11.0	10.8	10.9	.1	.1
Transportation equipment	13.3	13.1	14.9	.2	- 1.6
Instruments and related products	4.1	4.1	4.1	.0	.0
Nondurable Goods ^f	38.0	38.0	36.7	.0	1.3
Food and kindred products	10.5	10.5	10.1	.1	.4
Printing and publishing	10.3	10.3	10.1	.0	.2
Chemicals and allied products	6.7	6.7	6.8	.0	.0
Rubber and misc. plastics products	5.7	5.6	5.2	.1	.5
NONMANUFACTURING^g	578.5	571.7	553.8	6.8	24.7
CONSTRUCTION	29.3	27.7	26.8	1.6	2.5
TRANSPORTATION AND PUBLIC UTILITIES	28.4	28.1	27.7	.2	.7
Trucking and warehousing	11.8	11.7	11.3	.1	.4
Communication, electric, gas services ..	11.7	11.6	11.7	.1	.0
WHOLESALE TRADE	35.3	35.1	33.8	.2	1.5
Wholesale trade-durable goods	22.8	22.6	21.8	.2	1.0
RETAIL TRADE	138.4	136.3	132.4	2.1	6.0
General merchandise stores	22.6	22.3	21.2	.3	1.4
FINANCE, INSURANCE, AND REAL ESTATE	58.8	58.4	56.4	.3	2.3
Banking	11.9	11.9	11.4	.0	.5
Insurance carriers	23.2	23.2	22.5	.0	.8
SERVICES	164.3	162.0	154.6	2.3	9.7
Business services	37.5	36.8	34.1	.7	3.3
Health services	40.8	40.7	39.1	.1	1.7
Hospitals	18.0	18.0	17.3	.0	.7
GOVERNMENT	123.1	123.1	121.2	.0	1.9
Federal government	15.2	15.2	15.7	.0	-.5
State government	55.0	55.2	53.9	-.3	1.1
State government education ^h	24.0	24.1	23.5	-.1	.5
State government, except education ...	30.9	31.1	30.4	-.2	.6
Local government	53.0	52.6	51.6	.3	1.4
Local government education	32.6	32.5	31.1	.2	1.5
Local government, except education ...	20.3	20.2	20.5	.2	-.2

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

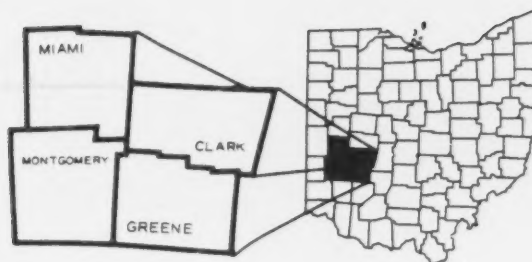
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$482.23	\$482.47	\$474.24	41.5	41.7	41.6	\$11.62	\$11.57	\$11.40
Durable Goods ^e	492.13	492.40	485.39	41.6	41.8	41.7	11.83	11.78	11.64
Stone, clay, and glass products	470.61	475.38	485.72	40.5	40.7	41.7	11.62	11.68	11.60
Glass and glassware, pressed or blown	430.95	436.11	398.11	39.5	39.9	37.7	10.91	10.93	10.56
Fabricated metal products	521.18	521.59	499.39	41.2	41.2	40.8	12.65	12.66	12.24
Fabricated structural metal products	450.58	459.64	464.52	41.3	41.9	42.0	10.91	10.97	11.06
Machinery, except electrical	450.60	453.26	455.38	41.8	42.4	42.4	10.78	10.69	10.74
Electric and electronic equipment	462.03	464.02	474.66	40.6	41.1	41.6	11.38	11.29	11.41
Transportation equipment	617.47	611.53	569.32	44.2	43.9	43.0	13.97	13.93	13.24
Instruments and related products	406.50	418.72	435.08	39.2	40.3	42.2	10.37	10.39	10.31
Nondurable Goods ^f	464.09	462.02	453.60	41.4	41.4	41.5	11.21	11.16	10.93
Food and kindred products	453.18	450.69	466.52	41.5	41.5	42.8	10.92	10.86	10.90
Printing and publishing	539.57	535.27	506.58	39.5	39.3	38.7	13.66	13.62	13.09
Chemicals and allied products	560.15	557.94	529.54	42.5	42.3	41.5	13.18	13.19	12.76
Rubber and misc. plastics products	350.22	358.68	352.24	41.3	42.7	42.8	8.48	8.40	8.23
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	605.20	600.35	551.89	42.5	42.1	40.7	14.24	14.26	13.56
WHOLESALE TRADE	350.23	345.00	342.52	37.7	37.5	38.1	9.29	9.20	8.99
RETAIL TRADE ^h	179.63	178.64	174.27	28.2	28.4	28.9	6.37	6.29	6.03
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	266.35	263.15	269.91	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	338.95	334.56	324.87	34.1	34.0	33.7	9.94	9.84	9.64

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	4,081	3,935	4,389
Active File of Job Seekers	30,728	31,784	28,668
Referrals to Jobs	2,920	2,536	2,417
Placements	600	570	731
Job Openings Received	1,450	1,656	2,092
Job Openings Unfilled	2,570	2,598	5,552
Unemployment Insurance Program			
Initial Claims	3,410	3,518	4,096
Continued Claims	35,906	41,118	36,663
First Payments	1,556	1,817	1,910
Last Payments	774	796	907
Weeks Compensated	27,588	35,896	33,651
Benefits Paid	\$4,297,861	\$5,545,024	\$5,139,393
Average Weekly Payment	\$158.87	\$160.72	\$155.81

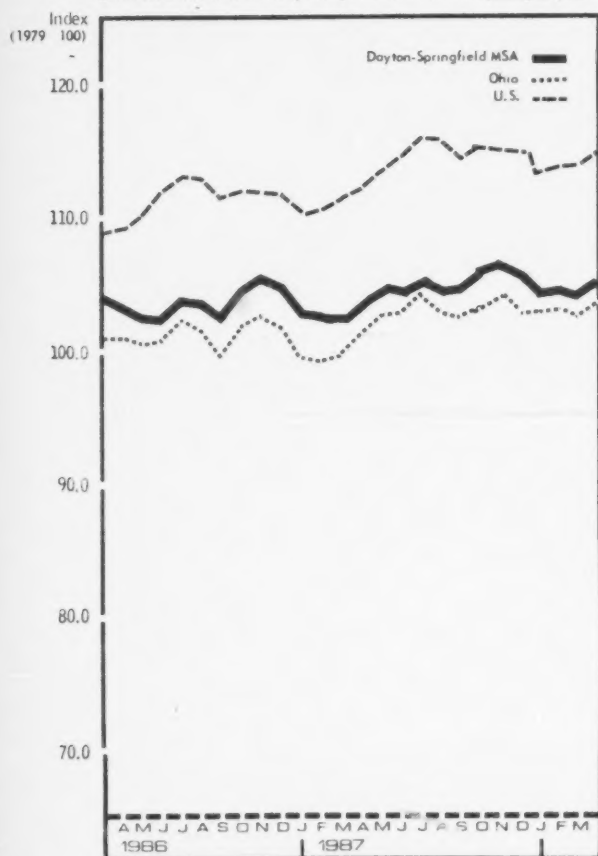
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



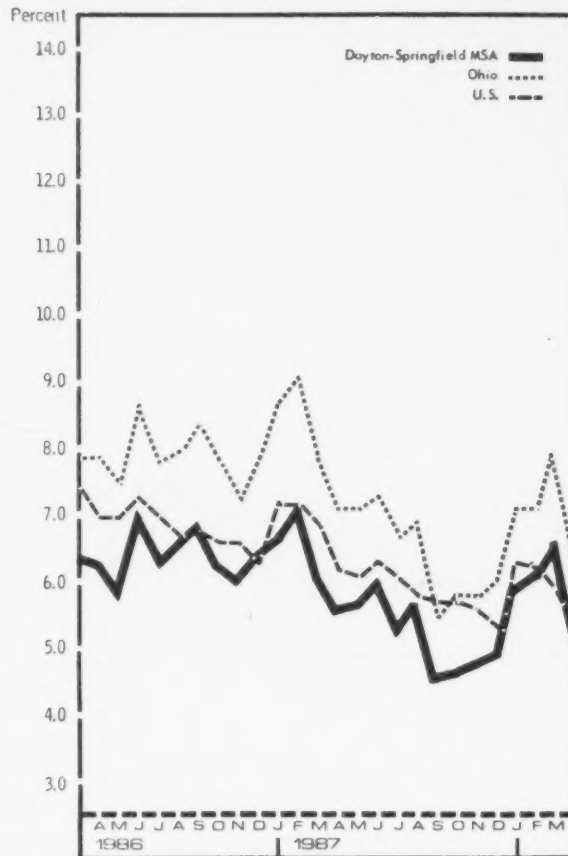
In the Dayton-Springfield metropolitan area, nonfarm payroll employment totaled 437,500 in May, increasing 3,200 above the April 1988 level. The improvement was concentrated in nonmanufacturing industries, especially retail trade and construction. The manufacturing sector added 300 jobs over the month. Factory production worker average hourly earnings dropped \$.03 from April, to \$12.59 per hour in May. Their average workweek, 43.8 hours, was .5 hours longer.

Between May 1987 and May 1988, nonagricultural wage and salary employment advanced 8,200. Major growth sectors were services, retail trade, and construction. A significant reduction in transportation equipment lowered manufacturing employment 700 over the year, to 103,300.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

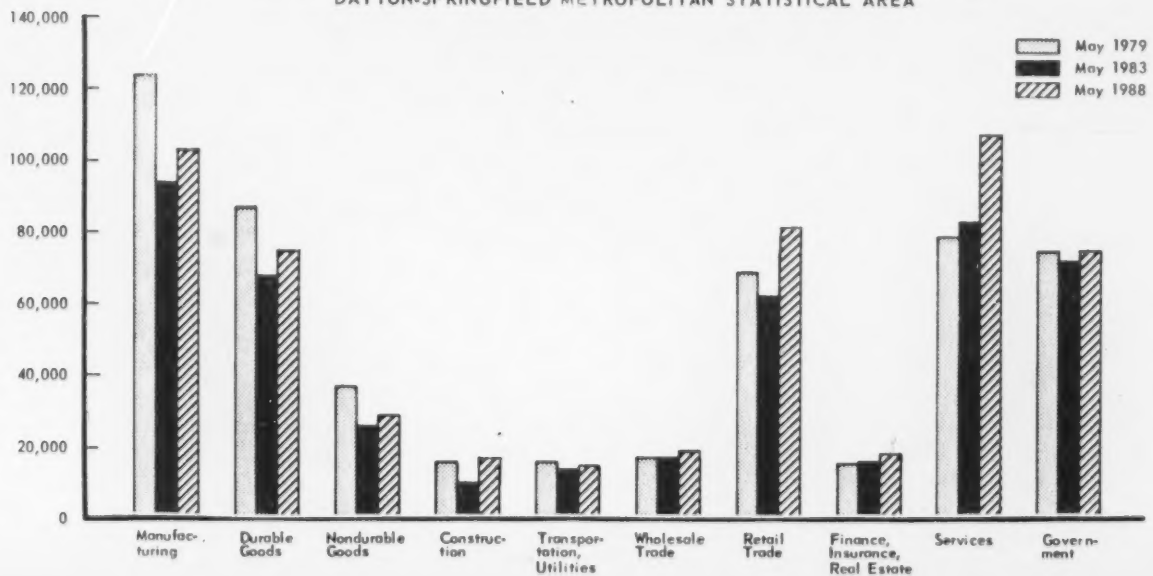


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate		Hours and Earnings					
					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
460.8	434.8	26.0	5.6	1987 April	426.5	103.9	67.0	486.10	41.3	11.77
464.3	437.5	26.8	5.8	May	429.3	104.0	67.0	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
463.7	436.1	27.6	5.9	1988 January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
463.7	440.7	23.0	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
INA	INA	INA	INA	May	437.5	103.3	66.6	551.44	43.8	12.59

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	437.5	434.2	429.3	3.2	8.2
MANUFACTURING	103.3	103.0	104.0	.3	-.7
Durable Goods ^e	74.4	74.3	75.2	.1	-.7
Fabricated metal products	8.3	8.3	8.4	.0	-.1
Machinery, except electrical	30.7	30.6	30.5	.0	.2
Metalworking machinery	6.6	6.6	6.6	.0	.1
General industrial machinery	2.8	2.8	2.6	.0	.2
Electric and electronic equipment	5.8	5.8	5.9	.0	-.1
Electrical industrial apparatus	3.5	3.5	3.6	.0	-.1
Transportation equipment	20.1	20.2	21.1	-.2	-1.1
Nondurable Goods ^f	28.9	28.7	28.9	.2	.0
Food and kindred products	2.7	2.7	2.8	.0	-.1
Paper and allied products	6.0	6.0	5.8	.0	.2
Printing and publishing	8.7	8.7	8.4	.0	.3
Rubber and misc. plastics products	7.8	7.7	8.1	.1	-.3
NONMANUFACTURING^g	334.1	331.2	325.3	2.9	8.9
CONSTRUCTION	17.9	16.8	16.1	1.1	1.8
TRANSPORTATION AND PUBLIC UTILITIES	15.7	15.4	15.4	.3	.2
Communication, electric, gas services ..	5.4	5.3	5.6	.1	-.2
WHOLESALE TRADE	19.0	18.8	18.6	.2	.4
Wholesale trade-durable goods	12.5	12.5	12.3	.1	.2
RETAIL TRADE	81.0	79.7	78.3	1.3	2.7
General merchandise stores	12.0	11.9	11.9	.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	18.2	18.0	17.9	.1	.3
Banking	4.2	4.2	4.2	.0	-.1
Credit agencies other than banks	4.8	4.8	4.7	.0	.1
Insurance carriers	2.7	2.7	3.0	.0	-.2
SERVICES	107.6	108.1	103.1	-.5	4.5
Business services	27.1	26.7	25.2	.4	1.9
Health services	36.2	36.0	35.5	.2	.7
Hospitals	18.5	18.4	18.6	.1	-.1
Educational services	6.8	8.2	6.6	-1.5	.2
GOVERNMENT	74.4	74.0	75.5	.4	-1.0
Federal government	27.9	27.9	27.7	.0	.2
State government	7.5	7.5	7.4	.0	.1
State government education ¹	4.6	4.6	4.5	.0	.0
State government, except education ...	2.9	2.9	2.8	.0	.1
Local government	39.0	38.6	40.4	.4	-1.4
Local government education	24.3	23.9	25.6	.3	-1.4
Local government, except education ...	14.8	14.7	14.8	.1	.0

Dayton-Springfield MSA

**Hours & Earnings
of Production or
Nonsupervisory
Workers^a**

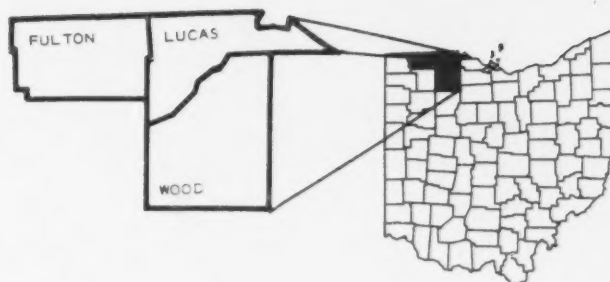
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$551.44	\$546.45	\$486.04	43.8	43.3	41.4	\$12.59	\$12.62	\$11.74
Durable Goods ^e	558.85	553.81	492.66	43.9	43.3	41.4	12.73	12.79	11.90
Fabricated metal products	394.70	386.68	375.47	41.9	41.4	40.2	9.42	9.34	9.34
Machinery, except electrical	599.42	587.40	529.62	44.6	44.0	41.9	13.44	13.35	12.64
Metalworking machinery	534.82	534.26	515.14	44.2	44.3	43.0	12.10	12.06	11.98
General industrial machinery	477.40	451.76	414.61	44.0	42.3	39.6	10.85	10.68	10.47
Electric and electronic equipment	447.17	449.20	434.56	44.1	44.3	44.8	10.14	10.14	9.70
Electrical industrial apparatus	529.92	522.80	521.22	46.0	45.5	47.6	11.52	11.49	10.95
Transportation equipment	691.98	699.69	573.27	44.5	44.2	40.6	15.55	15.83	14.12
Nonurable Goods ^f	528.61	521.94	466.58	43.4	43.1	41.4	12.18	12.11	11.27
Food and kindred products	351.08	326.32	368.05	40.4	37.9	43.3	8.69	8.61	8.50
Paper and allied products	524.32	519.68	491.73	46.4	46.4	45.7	11.30	11.20	10.76
Printing and publishing	451.36	454.21	430.56	40.3	40.7	39.0	11.20	11.16	11.04
Rubber and misc. plastics products	705.57	695.07	554.80	44.6	44.3	39.6	15.82	15.69	14.01
TRANSPORTATION AND PUBLIC UTILITIES	539.08	530.00	527.88	40.2	39.7	39.9	13.41	13.35	13.23
Communication, electric, gas services ..	539.08	530.00	527.88	40.2	39.7	39.9	13.41	13.35	13.23
WHOLESALE TRADE	408.12	408.18	403.81	39.7	39.4	40.1	10.28	10.36	10.07
RETAIL TRADE ^h	163.02	161.82	157.35	28.4	27.9	27.8	5.74	5.80	5.66
SERVICES	366.41	369.21	356.16	34.6	34.7	33.6	10.59	10.64	10.60
Health services	366.41	369.21	356.16	34.6	34.7	33.6	10.59	10.64	10.60
Hospitals	366.41	369.21	356.16	34.6	34.7	33.6	10.59	10.64	10.60

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. ^jExcludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^kDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	2,380	2,424	2,449
Active File of Job Seekers	18,538	20,211	21,238
Referrals to Jobs	1,809	1,566	1,278
Placements	523	274	255
Job Openings Received	1,092	954	1,083
Job Openings Unfilled	1,777	1,781	2,466
Unemployment Insurance Program			
Initial Claims	1,962	2,109	2,536
Continued Claims	20,626	24,092	22,914
First Payments	862	1,028	1,110
Last Payments	384	433	537
Weeks Compensated	16,666	23,407	21,070
Benefits Paid	\$2,397,780	\$3,398,523	\$2,923,159
Average Weekly Payment	\$146.86	\$148.19	\$141.79

TOLEDO METROPOLITAN STATISTICAL AREA

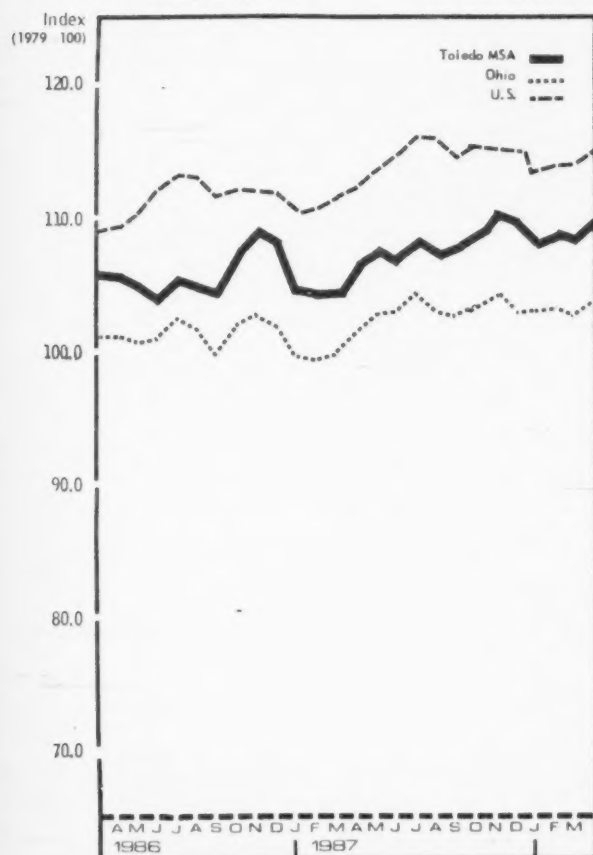


Nonagricultural wage and salary employment in the Toledo metropolitan area increased 3,300 from April, to 290,600 in May 1988. Seasonal gains in construction, retail trade, and services contributed most to the improvement. The manufacturing labor force added 200 workers in May. Production workers averaged \$13.14 per hour, down \$.09 from last month. Their average workweek was .4 hours shorter, at 42.9 hours.

Total nonfarm payroll employment advanced 10,400 between May 1987 and May 1988. Expansion in nonmanufacturing industries contributed 97.1 percent of the increase. Marked improvements were recorded in services, retail trade, and construction. Manufacturing employment gained 400, to 62,200. Modest growth in stone, clay, and glass products and rubber and miscellaneous plastics products offset reductions in transportation equipment and electric and electronic equipment.

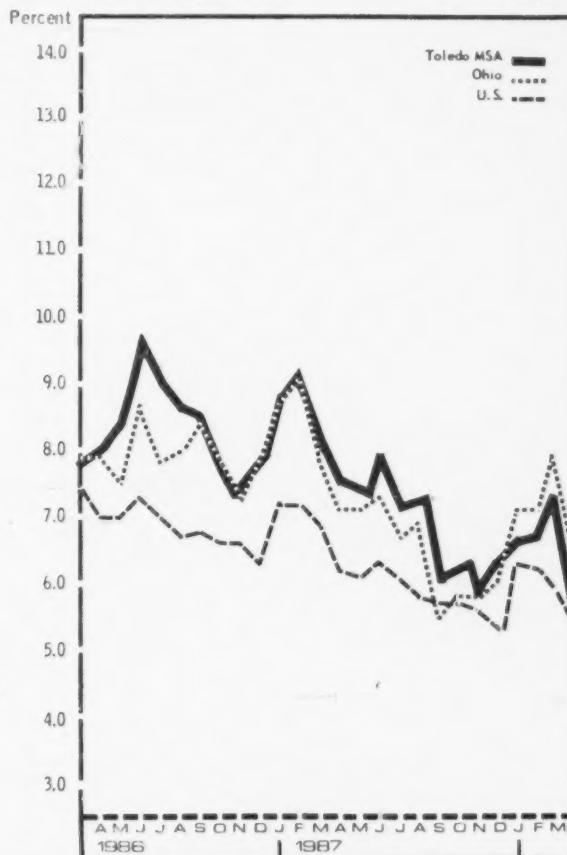
INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S.

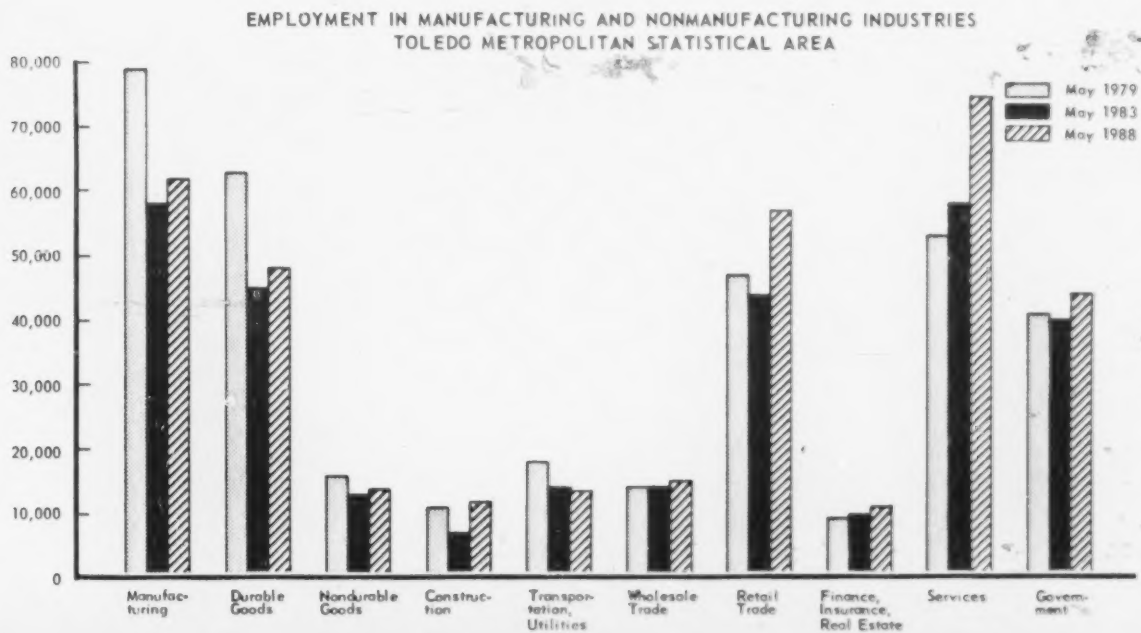
(Not Seasonally Adjusted)



TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed				Manufacturing Employment					
	Total	Unemployed				Manufacturing Production Workers				
		Total	Rate				Hours and Earnings			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
1987										
307.9	284.8	23.0	7.5	April	277.4	62.0	43.8	537.21	42.4	12.67
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
1988										
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
311.0	293.3	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
INA	INA	INA	INA	May	290.6	62.2	44.4	563.71	42.9	13.14

INA - information not available



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	290.6	287.3	280.2	3.3	10.4
MANUFACTURING	62.2	62.0	61.8	.2	.4
Durable Goods ^e	48.0	48.0	47.7	.1	.3
Stone, clay, and glass products	8.3	8.3	7.8	.1	.5
Primary metal industries	3.5	3.5	3.4	.0	.1
Fabricated metal products	7.8	7.7	7.7	.0	.1
Metal forgings and stampings	3.3	3.3	3.4	.0	.1
Machinery, except electrical	6.2	6.2	6.1	.0	.1
Electric and electronic equipment	2.1	2.2	2.5	.1	.4
Transportation equipment	15.4	15.4	16.0	.0	.5
Motor vehicles and equipment	14.4	14.4	15.1	.0	.6
Nondurable Goods ^f	14.2	14.1	14.1	.1	.1
Food and kindred products	3.8	3.7	3.7	.1	.1
Rubber and misc. plastics products	3.2	3.1	2.9	.1	.4
NONMANUFACTURING^g	228.4	225.3	218.3	3.1	10.1
CONSTRUCTION	12.1	11.3	10.4	.8	1.7
TRANSPORTATION AND PUBLIC UTILITIES	13.8	13.6	13.7	.1	.1
Trucking and warehousing	5.4	5.4	5.3	.0	.1
Communication, electric, gas services ..	5.0	5.0	4.9	.0	.1
WHOLESALE TRADE	15.3	15.2	14.6	.1	.7
Wholesale trade-durable goods	10.0	9.9	9.7	.1	.2
RETAIL TRADE	56.9	56.1	53.8	.8	3.1
General merchandise stores	7.3	7.2	7.4	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.3	11.2	11.4	.1	.1
Banking	3.6	3.6	3.5	.0	.0
SERVICES	74.5	73.8	70.9	.7	3.6
Business services	15.8	15.6	14.6	.2	1.2
Health services	27.4	27.3	26.8	.1	.6
Hospitals	15.3	15.2	15.2	.1	.1
GOVERNMENT	44.2	43.8	43.3	.5	.9
State government	16.7	16.6	16.2	.0	.5
State government education ^h	12.6	12.6	12.1	.0	.5
State government, except education ..	4.1	4.1	4.0	.0	.0
Local government	24.9	24.5	24.5	.4	.4
Local government education	14.4	14.1	14.0	.2	.3
Local government, except education ..	10.6	10.4	10.5	.1	.1

Hours & Earnings of Production or Nonsupervisory Workers^a

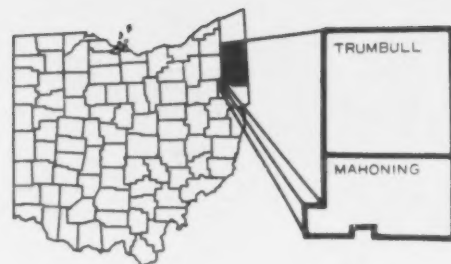
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$563.71	\$572.86	\$532.55	42.9	43.3	41.9	\$13.14	\$13.23	\$12.71
Durable Goods ^e	594.58	598.49	556.14	43.4	43.4	42.1	13.70	13.79	13.21
Stone, clay, and glass products	504.19	510.07	506.97	39.7	40.1	40.3	12.70	12.72	12.58
Primary metal industries	482.63	484.34	489.06	42.9	42.9	42.9	11.25	11.29	11.40
Fabricated metal products	544.43	536.34	505.93	42.7	42.0	41.3	12.75	12.77	12.25
Metal forgings and stampings	711.32	702.52	610.90	46.1	45.5	42.9	15.43	15.44	14.24
Machinery, except electrical	509.65	515.31	491.10	42.4	42.8	42.3	12.02	12.04	11.61
Electric and electronic equipment	517.10	510.72	527.09	42.7	42.0	41.7	12.11	12.16	12.64
Transportation equipment	770.90	777.55	669.85	46.3	46.2	43.3	16.65	16.83	15.47
Motor vehicles and equipment	778.59	786.94	673.32	46.4	46.4	43.3	16.78	16.96	15.55
Nondurable Goods ^f	451.96	474.82	446.90	41.2	42.7	41.0	10.97	11.12	10.90
Food and kindred products	533.81	553.24	525.81	41.9	43.7	42.2	12.74	12.66	12.46
Rubber and misc. plastics products	342.78	360.34	316.80	41.2	43.0	40.0	8.32	8.38	7.92
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	609.03	604.65	598.92	41.8	41.7	42.0	14.57	14.50	14.26
WHOLESALE TRADE	376.94	373.26	362.88	38.9	38.8	38.4	9.69	9.62	9.45
RETAIL TRADE ^h	160.99	162.13	162.32	28.8	28.9	29.3	5.59	5.61	5.54

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	2,096	1,903	2,523
Active File of Job Seekers	18,403	18,279	16,196
Referrals to Jobs	1,595	1,050	966
Placements	274	279	385
Job Openings Received	775	565	523
Job Openings Unfilled	1,201	906	1,263
Unemployment Insurance Program			
Initial Claims	2,419	2,818	3,639
Continued Claims	19,295	22,330	25,425
First Payments	737	871	1,149
Last Payments	281	286	445
Weeks Compensated	13,845	18,476	19,386
Benefits Paid	\$2,064,602	\$2,775,707	\$2,830,234
Average Weekly Payment	\$152.80	\$153.36	\$149.48

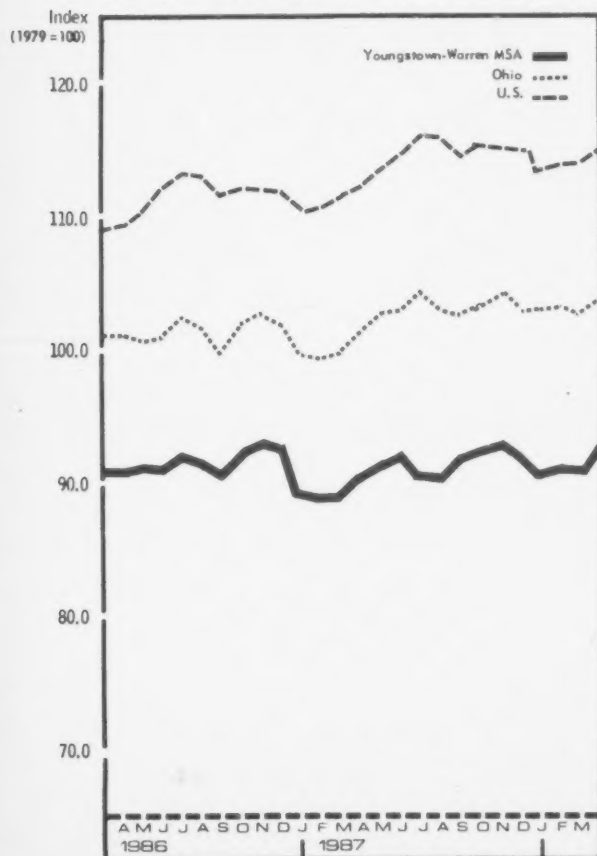
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



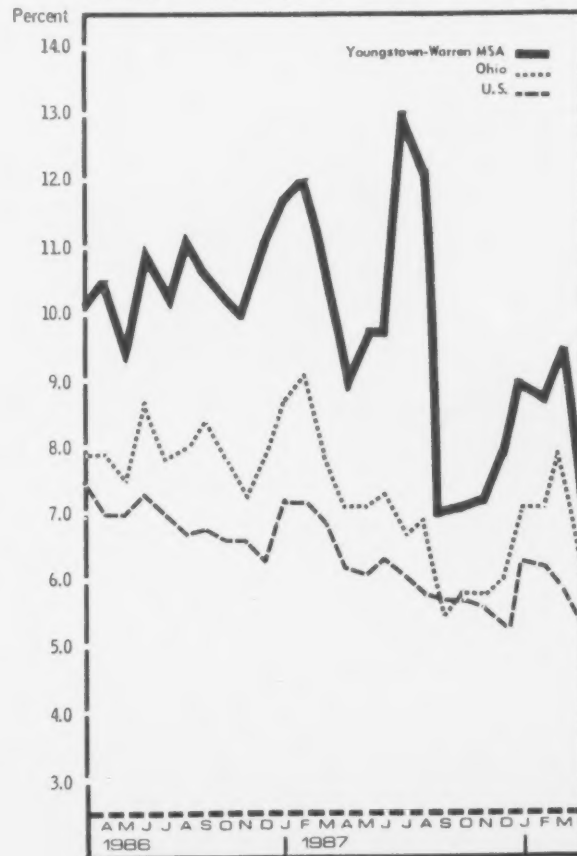
Nonfarm payroll employment totaled 196,000 in the Youngstown-Warren metropolitan area in May 1988, increasing 3,400 from April. Seasonal hiring in construction, services, and retail trade contributed most to the gain. The manufacturing workforce rose 300, to 50,300. Production workers averaged \$13.61 per hour, \$.06 higher than in April. Their average workweek, 43.6 hours, was 1.5 hours longer.

Between May 1987 and May 1988, nonagricultural wage and salary employment advanced 6,300. Primary growth sectors were retail trade and services. Noteworthy improvements also occurred in construction and wholesale trade. Expansion in primary metal industries helped raise manufacturing employment 1,200 over the year.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

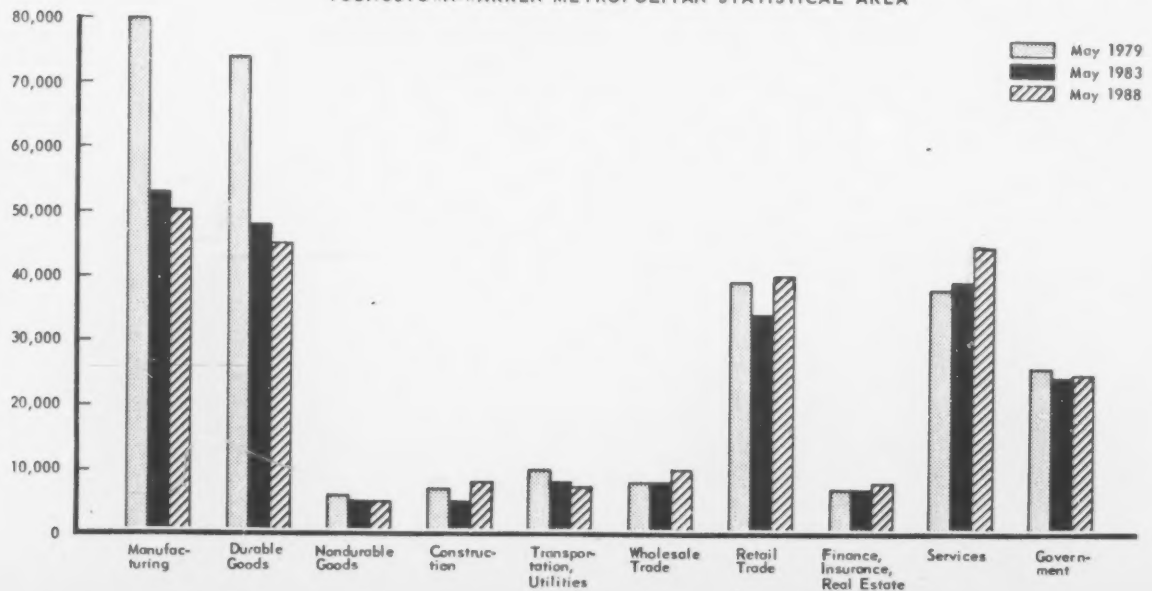


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	\$313.50	40.4	\$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
218.4	199.1	19.3	8.8	April	187.4	49.7	37.4	571.94	43.1	13.27
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
220.0	204.1	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
INA	INA	INA	INA	May	196.0	50.3	38.4	593.40	43.6	13.61

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1988 ^b	April 1988 ^c	May 1987 ^c	From Last Month	From Last Year
TOTAL	196.0	192.5	189.6	3.4	6.3
MANUFACTURING	50.3	50.0	49.1	.3	1.2
Durable Goods ^e	45.0	44.8	44.1	.2	1.0
Primary metal industries	18.8	18.8	18.0	.1	.9
Blast furnace and basic steel products	5.6	5.6	5.5	.0	.1
Fabricated metal products	7.7	7.6	7.3	.1	.4
Machinery, except electrical	3.7	3.7	3.8	.0	.1
Electric and electronic equipment	2.1	2.1	2.3	.0	.1
Transportation equipment	9.5	9.5	9.5	.0	.0
Nondurable Goods ^f	5.3	5.2	5.0	.1	.3
NONMANUFACTURING^g	145.7	142.6	140.5	3.1	5.1
CONSTRUCTION	8.3	7.5	7.5	.7	.8
TRANSPORTATION AND PUBLIC UTILITIES	7.7	7.6	7.6	.1	.1
Communication, electric, gas services ..	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	10.3	10.0	9.6	.2	.7
Wholesale trade-durable goods	6.4	6.2	6.2	.2	.2
RETAIL TRADE	40.3	39.7	38.5	.6	1.8
General merchandise stores	5.0	5.1	5.3	.0	.3
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.3	8.2	.0	.1
Banking	2.9	2.9	2.8	.0	.1
SERVICES	45.3	44.6	44.1	.7	1.2
Health services	19.6	19.5	19.3	.1	.3
Hospitals	10.1	10.0	10.1	.0	.1
GOVERNMENT	24.8	24.2	24.4	.7	.5
State government	4.4	4.0	4.4	.4	.0
State government education ^h	2.9	2.5	2.9	.3	.0
State government, except education ...	1.5	1.5	1.5	.0	.0
Local government	18.4	18.1	18.0	.3	.4
Local government education	12.1	11.8	11.7	.2	.3
Local government, except education ...	6.3	6.2	6.2	.1	.1

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c	May 1988 ^b	Apr. 1988 ^c	May 1987 ^c
MANUFACTURING	\$593.40	\$570.46	\$565.78	43.6	42.1	42.7	\$13.61	\$13.55	\$13.25
Durable Goods ^e	609.84	584.59	581.36	44.0	42.3	43.0	13.86	13.82	13.52
Primary metal industries	643.50	644.36	595.40	42.9	42.9	41.9	15.00	15.02	14.21
Blast furnace and basic steel products	622.88	603.37	606.32	45.3	44.3	44.0	13.75	13.62	13.78
Fabricated metal products	587.36	572.72	543.10	43.8	42.9	41.3	13.41	13.35	13.15
Machinery, except electrical	479.52	475.80	504.45	42.1	41.7	43.3	11.39	11.41	11.65
Electric and electronic equipment	447.33	450.55	428.13	40.3	40.7	39.9	11.10	11.07	10.73
Transportation equipment	697.40	612.13	694.78	47.8	42.1	47.2	14.59	14.54	14.72
Nondurable Goods ^f	412.26	407.55	416.07	39.3	39.8	40.2	10.49	10.24	10.35
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	549.37	538.16	535.70	40.1	39.6	40.4	13.70	13.59	13.26
WHOLESALE TRADE	361.30	360.45	340.10	38.6	38.8	38.3	9.36	9.29	8.88
RETAIL TRADE ^h	175.51	173.09	174.94	29.3	28.8	29.6	5.99	6.01	5.91

^aSee Technical Notes for concepts. ^bpreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	1,996	1,837	1,731
Active File of Job Seekers	18,151	18,458	17,471
Referrals to Jobs	1,297	1,232	1,145
Placements	322	364	325
Job Openings Received	611	795	464
Job Openings Unfilled	1,067	970	632
Unemployment Insurance Program			
Initial Claims	2,191	2,141	3,768
Continued Claims	14,941	20,335	24,324
First Payments	868	784	1,185
Last Payments	299	321	429
Weeks Compensated	13,997	17,780	21,085
Benefits Paid	\$2,024,083	\$2,555,070	\$2,994,524
Average Weekly Payment	\$148.87	\$147.05	\$146.66

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	.40	.2
Manufacturing	.56	.3
Nonmanufacturing	.35	.2
Mining	.56	1.1
Construction	.17	1.1
Transportation and Public Utilities	.43	.3
Wholesale Trade	.19	.3
Retail Trade	.20	.4
Finance, Insurance, and Real Estate	.42	.2
Services	.26	.3
Government	.70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	May 1988	April 1988	May 1987
New Applicants	35,542	34,539	36,395
Active File of Job Seekers	277,386	286,310	260,152
Counseling Interviews	1,167	1,242	1,411
Tests Administered	4,048	5,083	2,682
General Aptitude Tests	153	301	331
Proficiency Tests	434	486	466
Specific Aptitude Tests	1,624	1,477	600
Referrals to Jobs	27,693	24,512	24,927
Placements	6,165	5,565	6,191
Job Openings Received	14,867	13,022	13,951
Job Openings Unfilled	23,703	20,838	27,429

Selected Unemployment Insurance Activities

	May 1988	April 1988	May 1987
Initial Claims	37,844	38,395	44,061
Continued Claims	355,021	421,800	392,865
First Payments	14,792	17,325	18,737
Last Payments	6,398	6,878	8,090
Average Weekly Claimants	81,150	101,491	96,227
Average Weekly Benefit Recipients	68,929	89,215	81,305
Weeks Compensated	275,716	374,933	347,341
Benefits Paid	\$41,679,753	\$57,129,907	\$50,695,031
Average Weekly Payment	\$154.62	\$155.71	\$149.65
Continued Claims for Survey Week	80,914	98,729	91,986
Insured Unemployment Rate	1.9	2.3	2.3
Net Contributions	\$255,065,901	\$74,964,221	\$352,610,306
Active Employer Accounts	200,354	200,411	195,506

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
145 SOUTH FRONT STREET
PO BOX 1618
COLUMBUS OH 43216-1618

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